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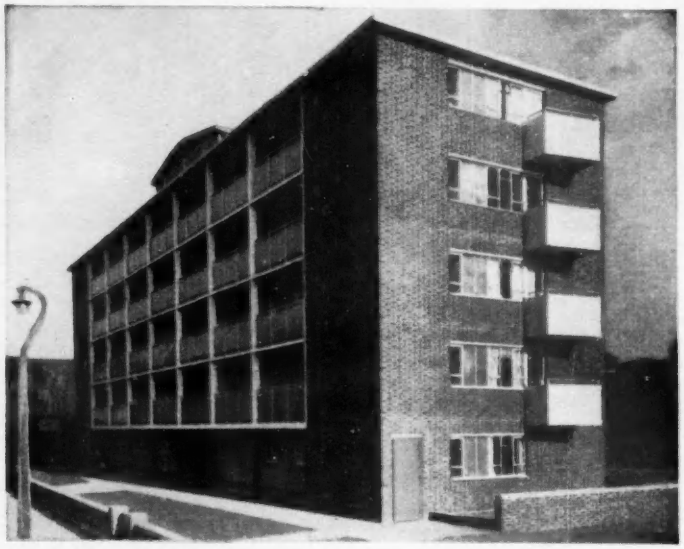

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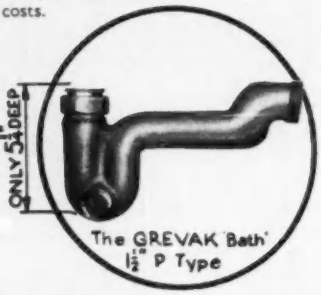

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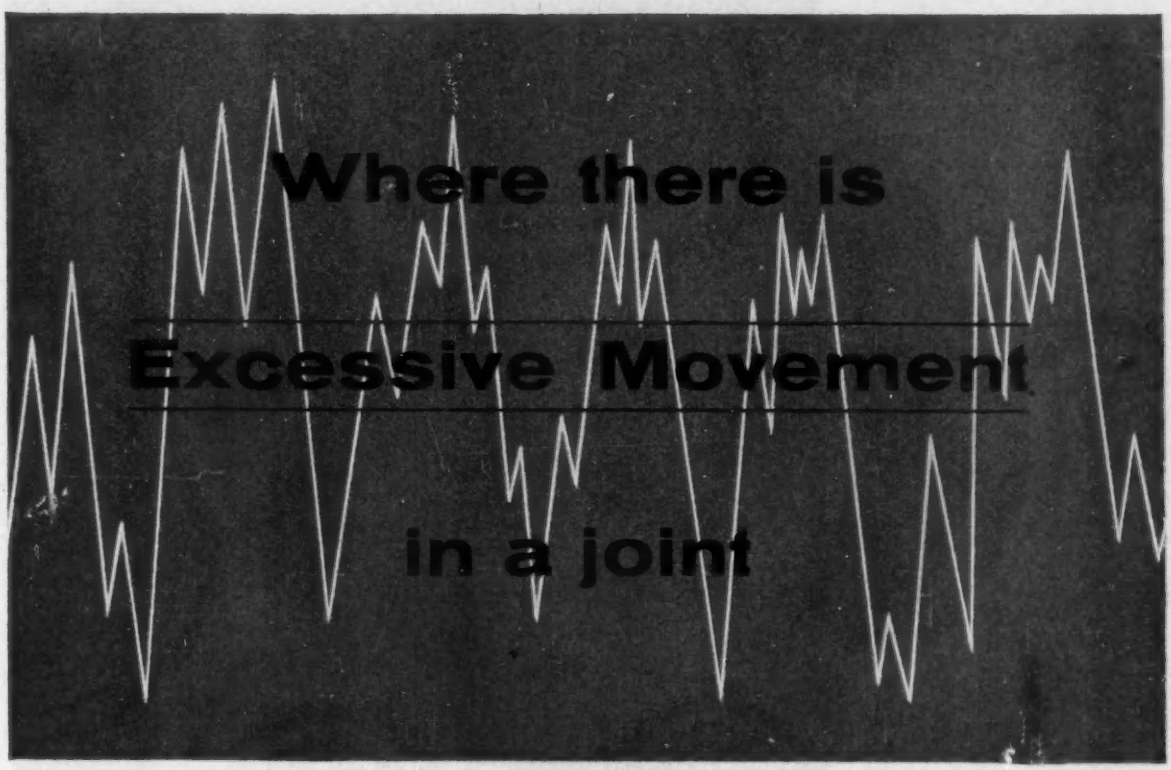

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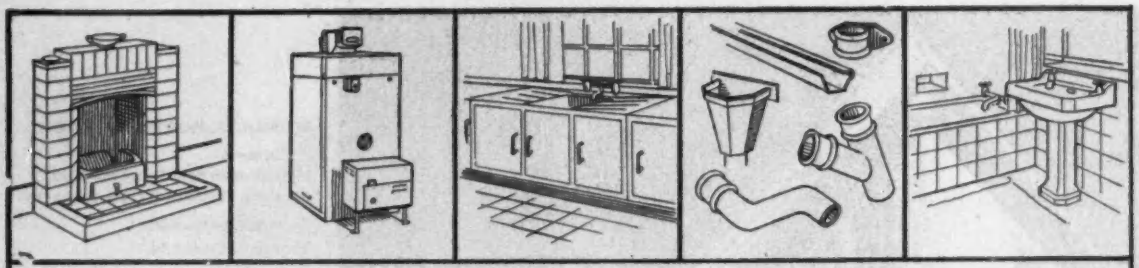

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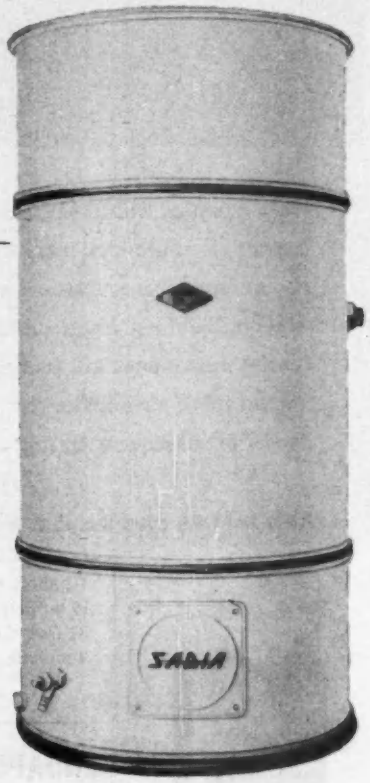

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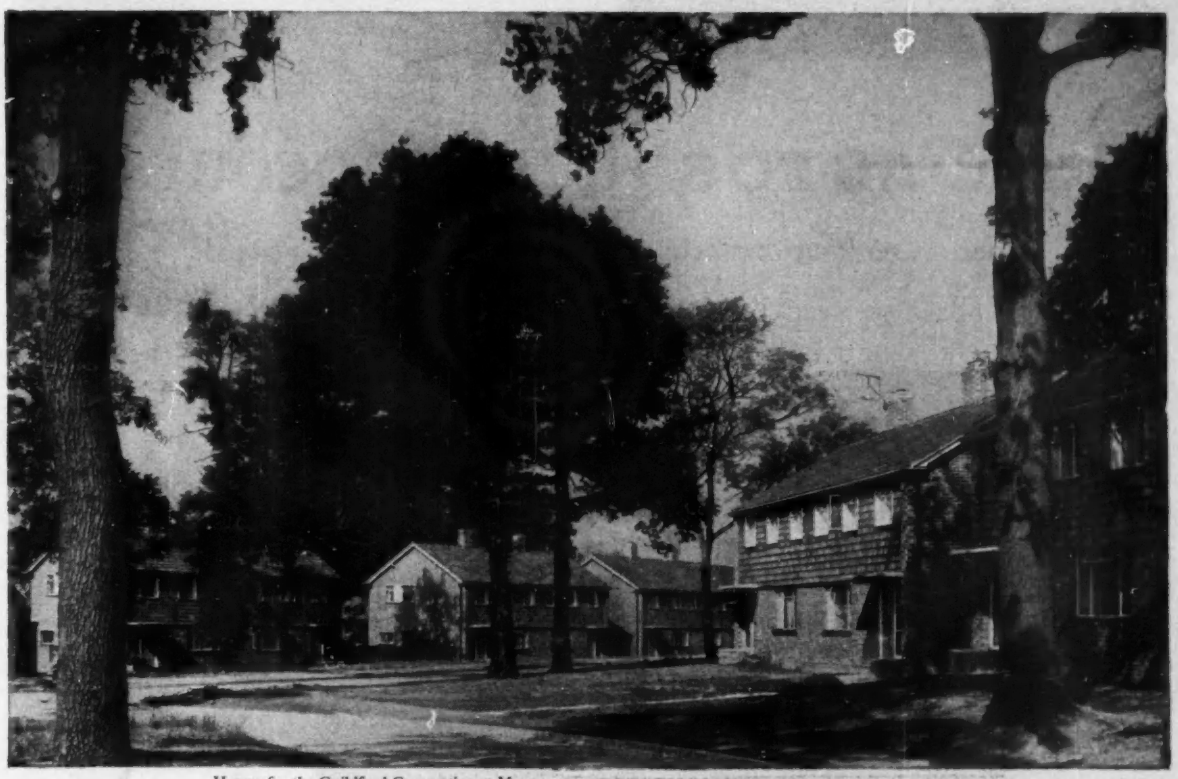

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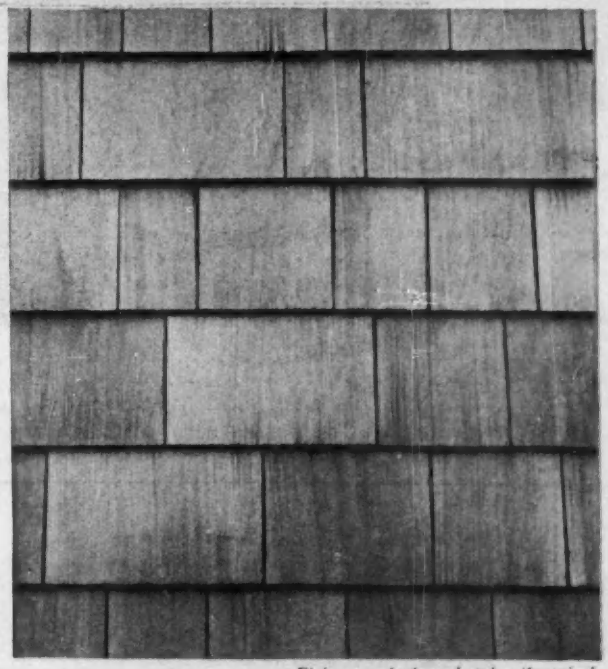

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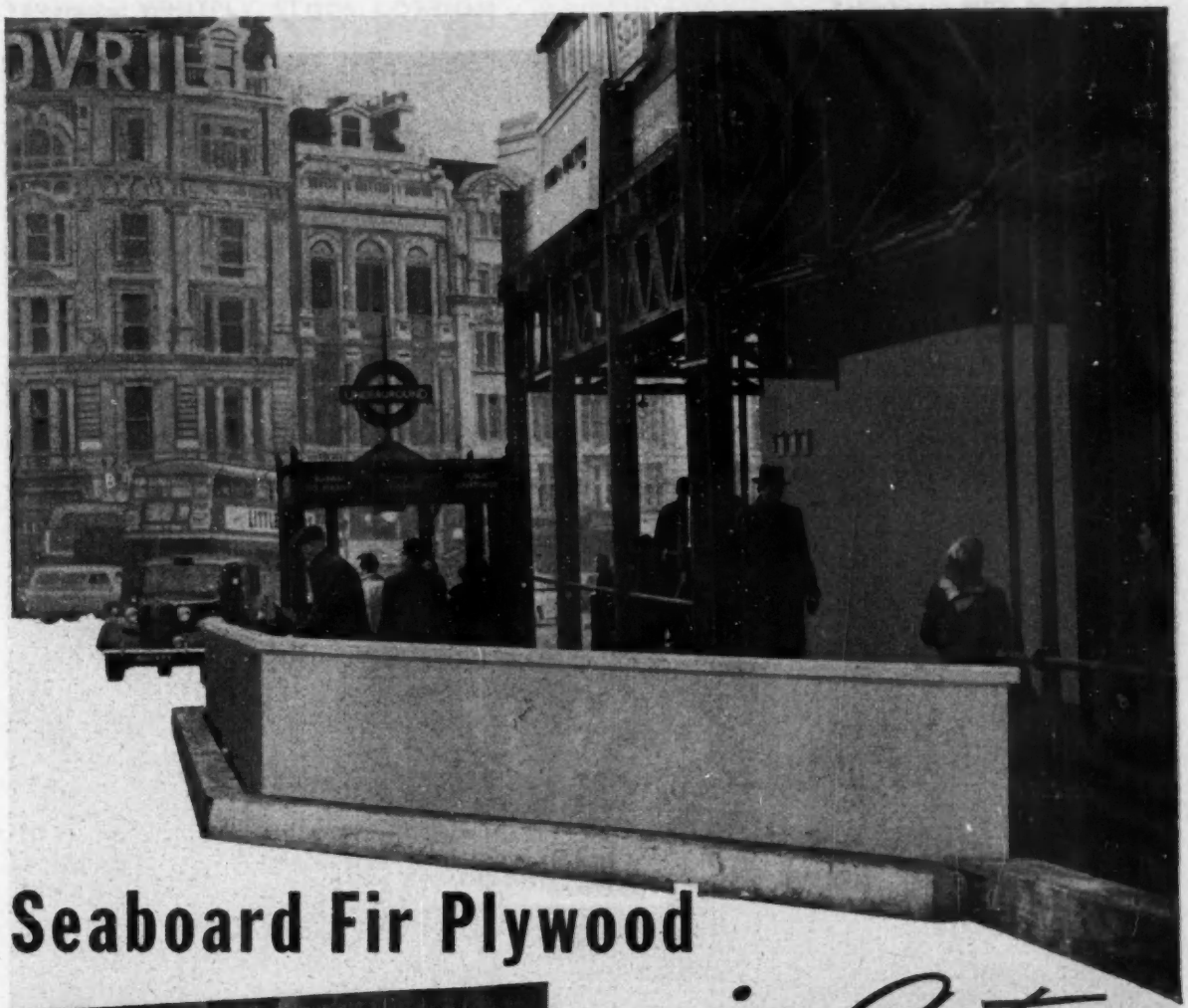

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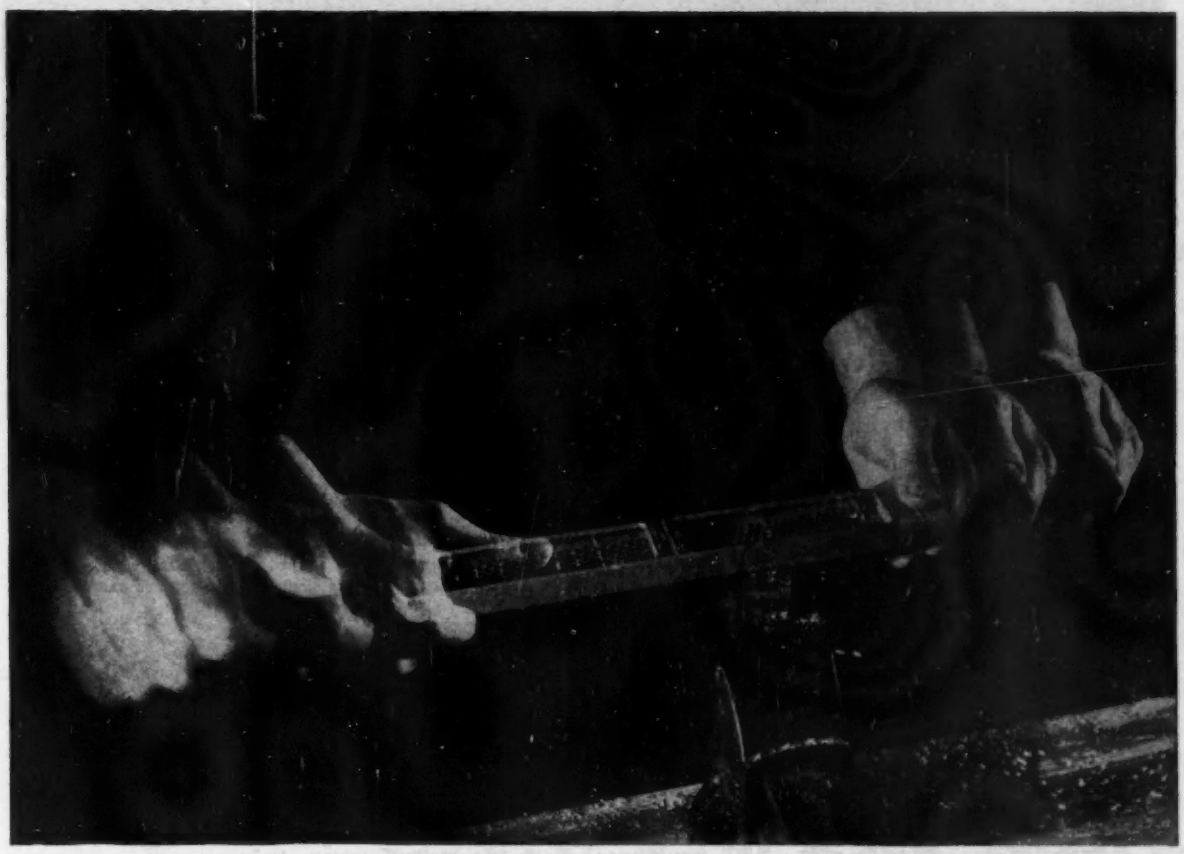

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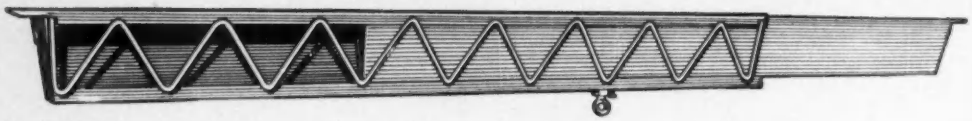

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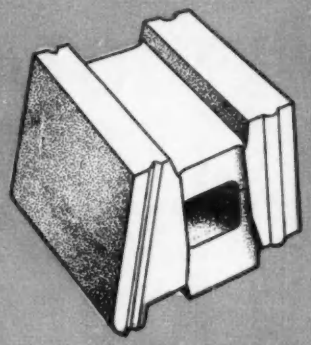

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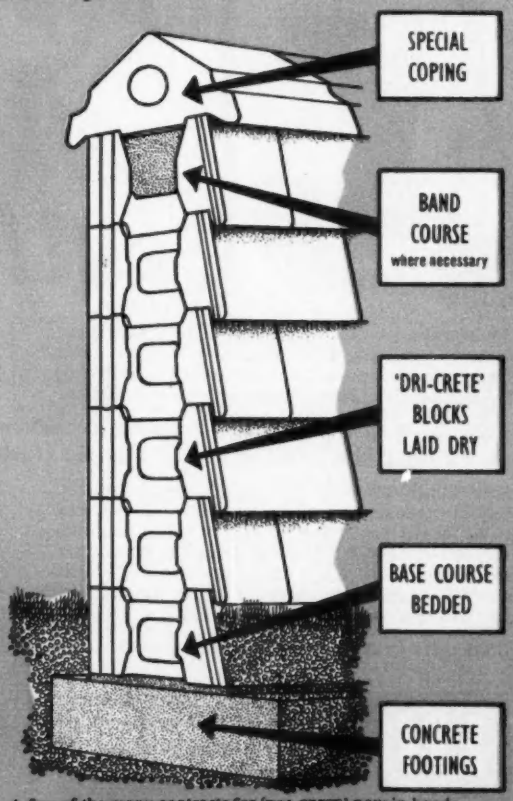

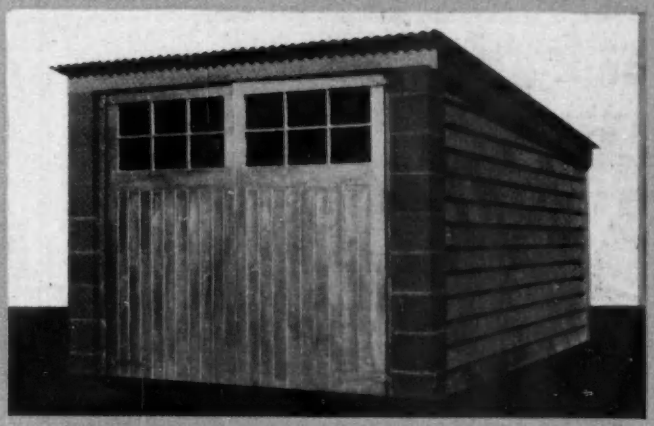

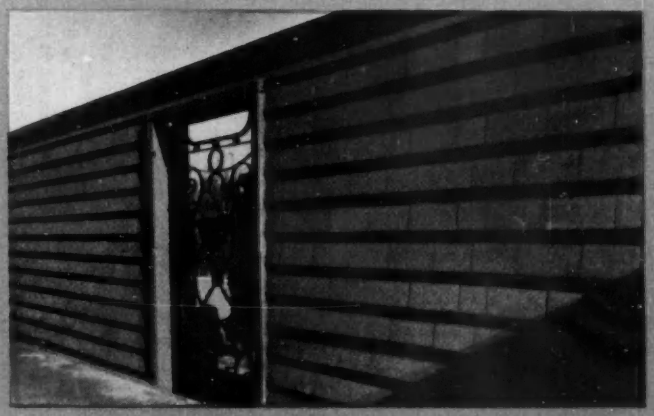

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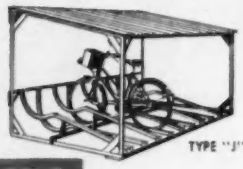
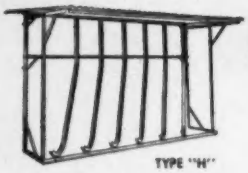

TYPE "J"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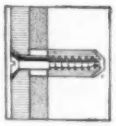

RAWLPLUGS for neat firm fixings in brick, stone, etc. Rotproofed and waterproofed for use in all climatic conditions. All screw sizes up to ¾" diameter coach screws.

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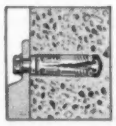

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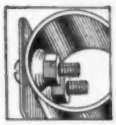

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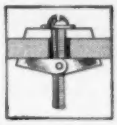

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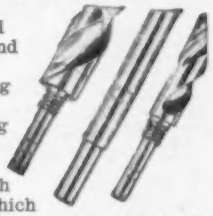

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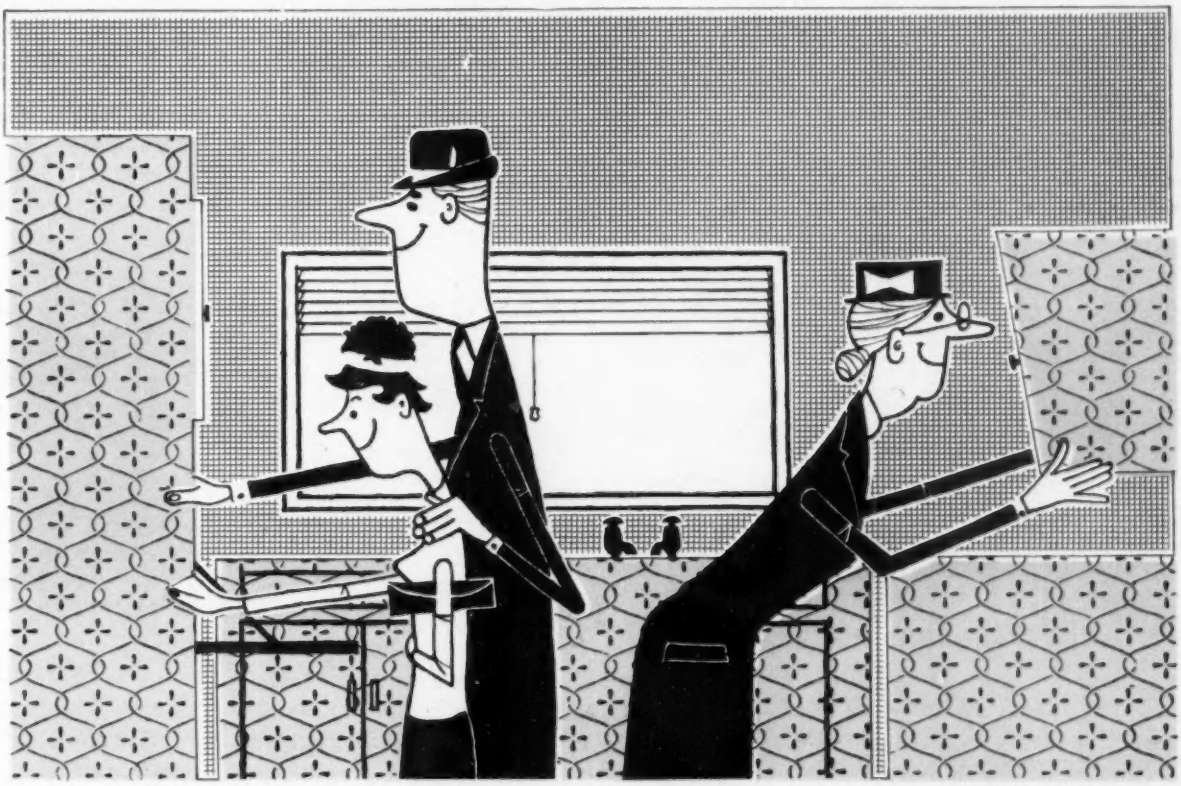

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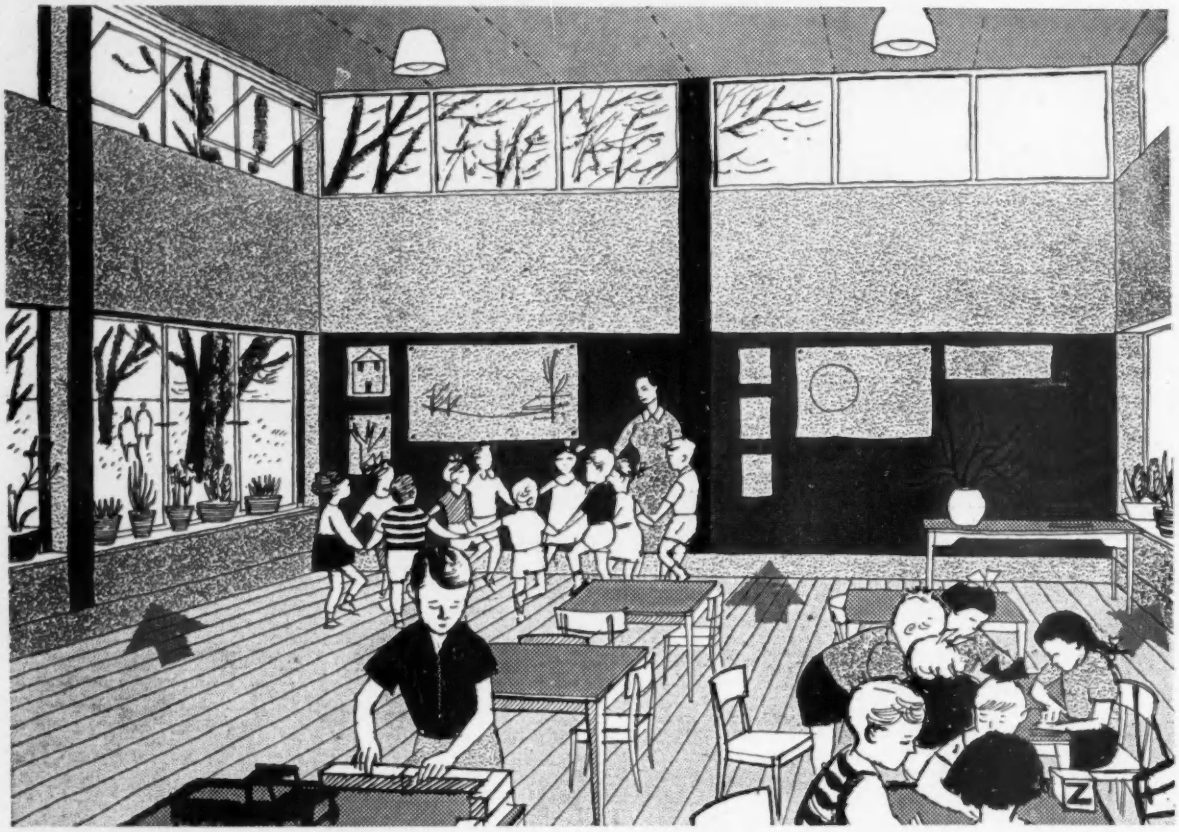

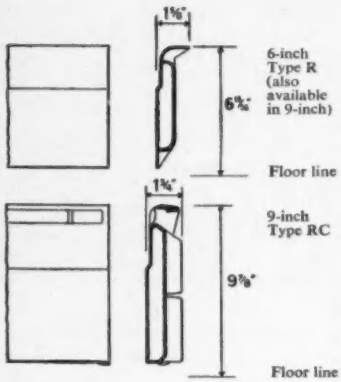

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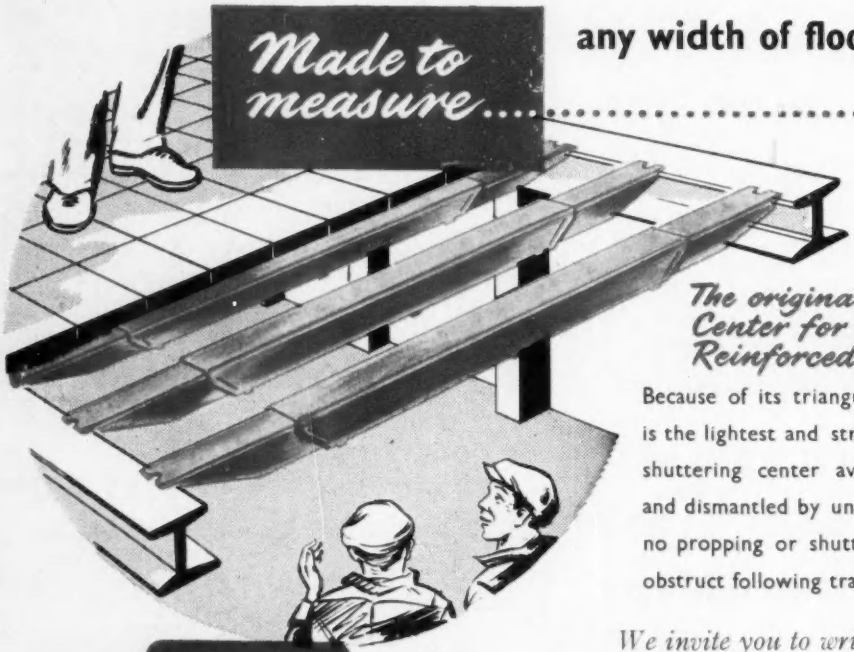

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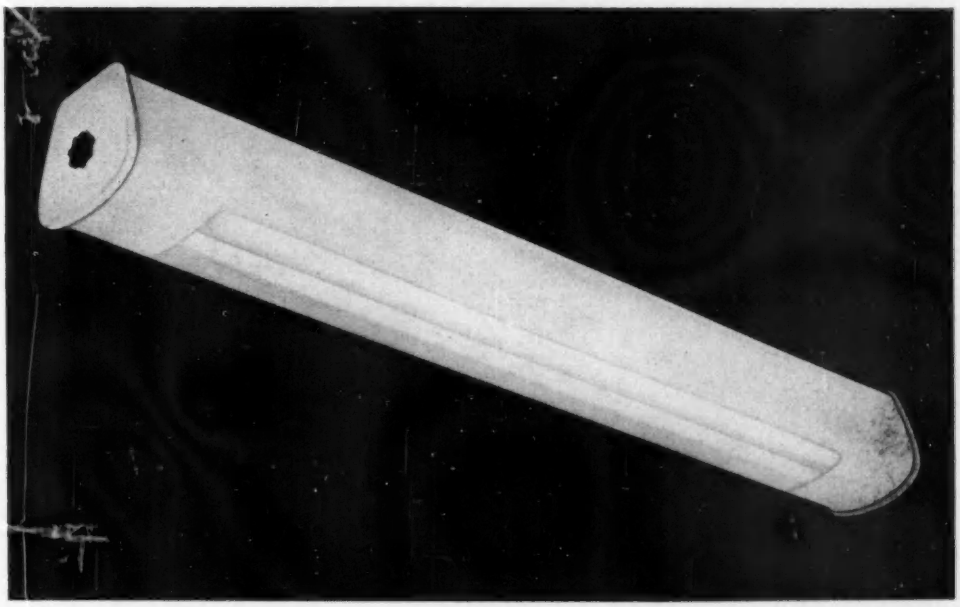

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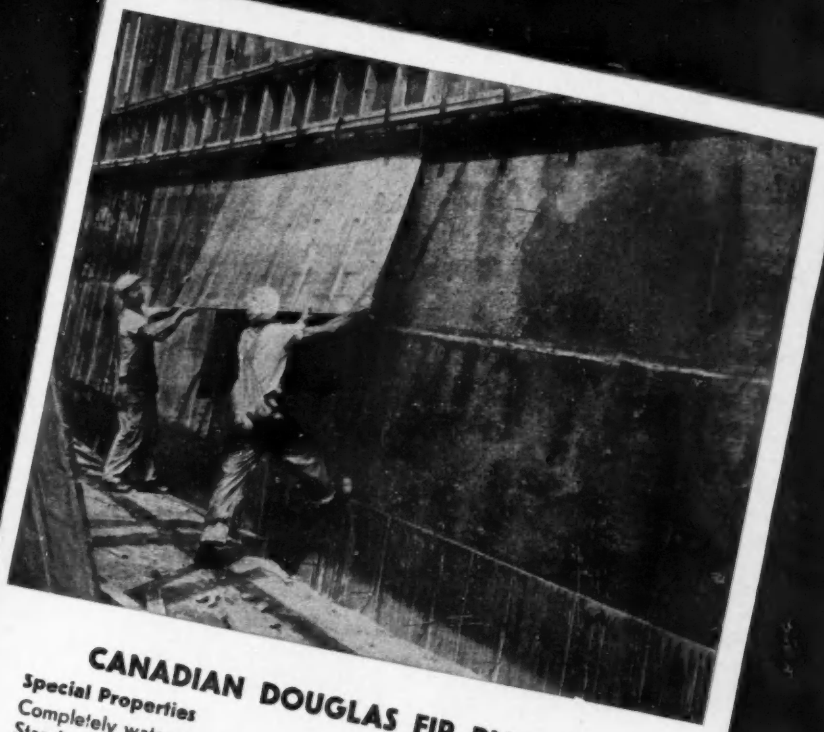

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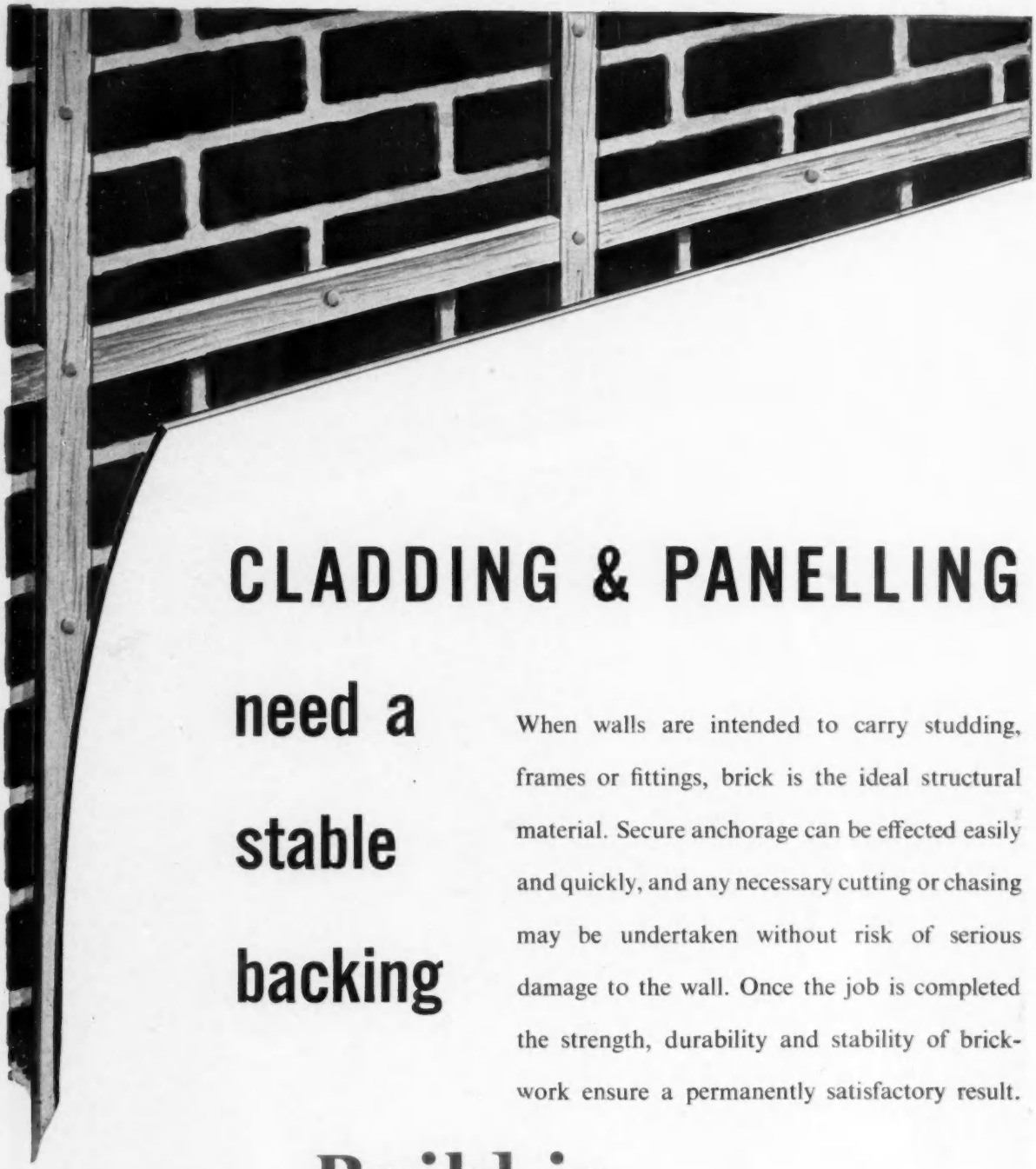

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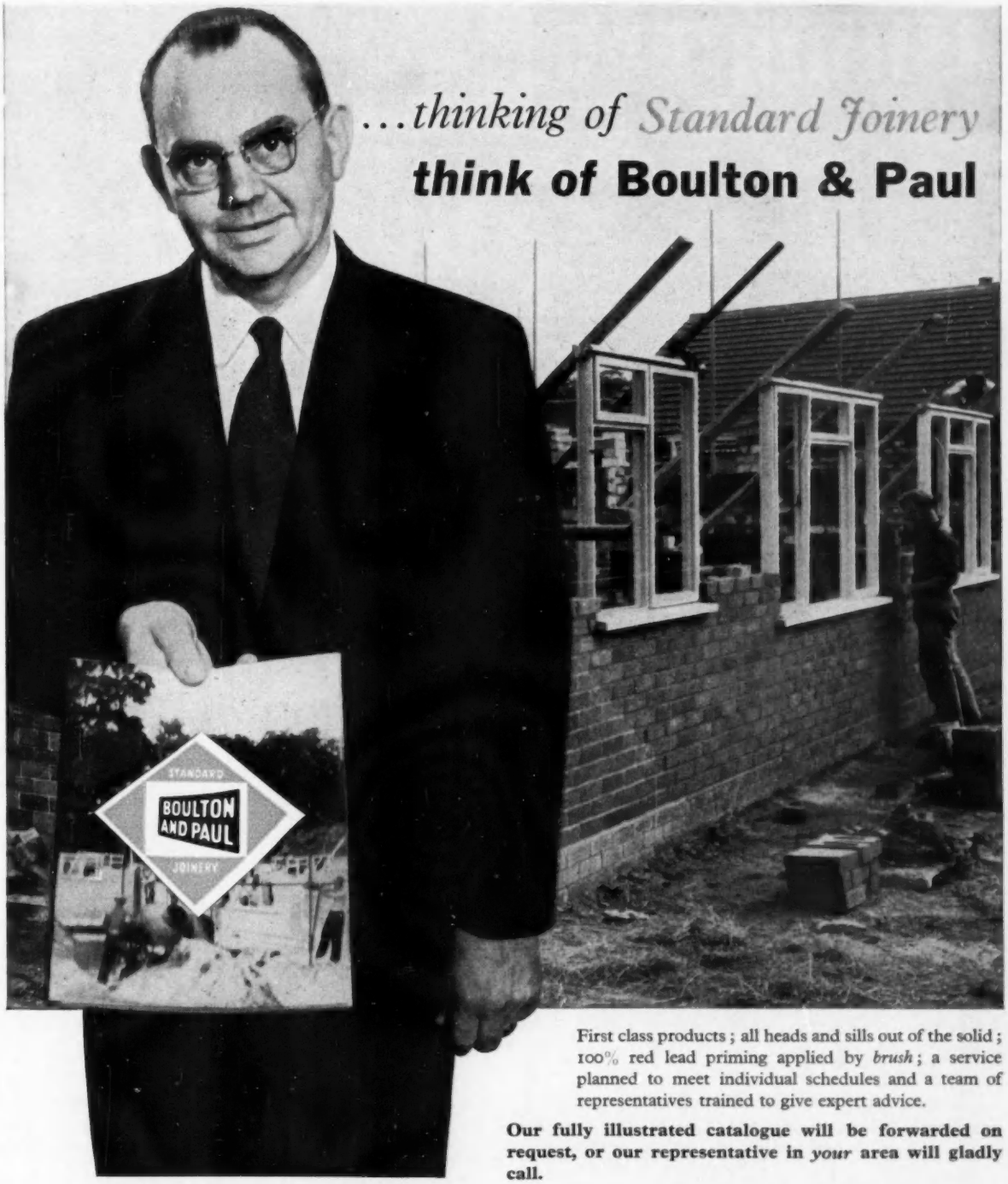

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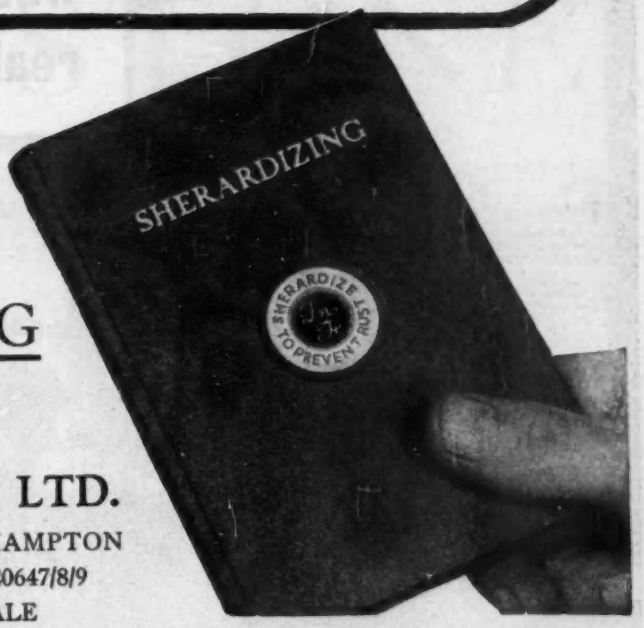

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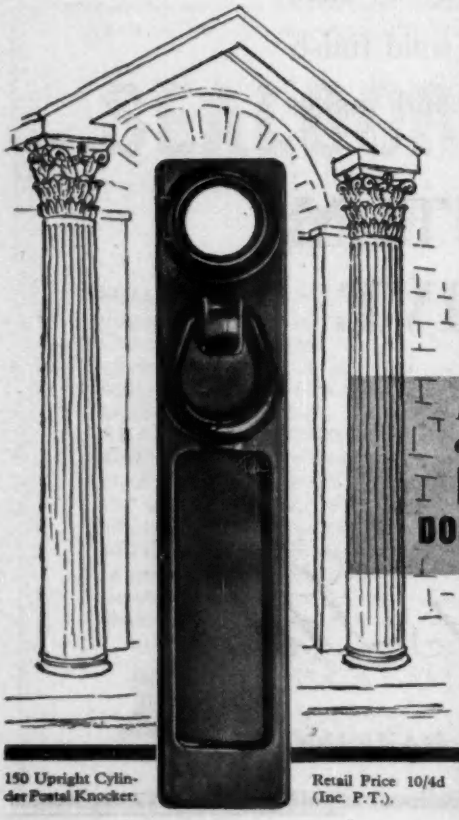

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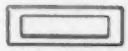

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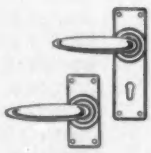

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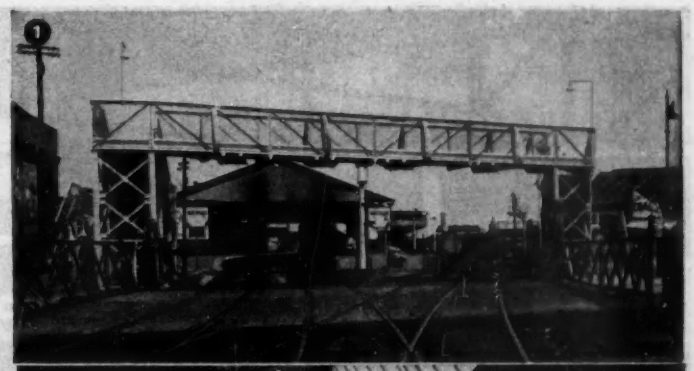

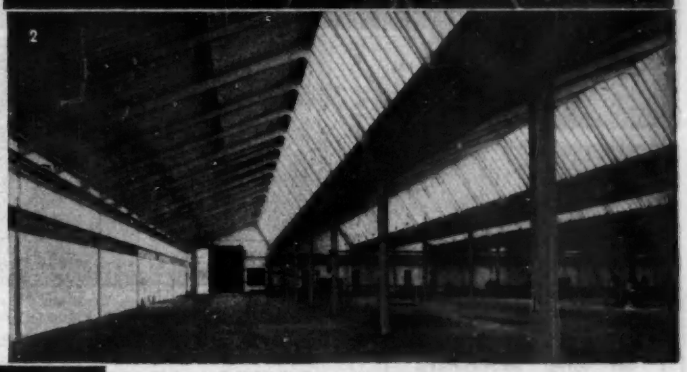

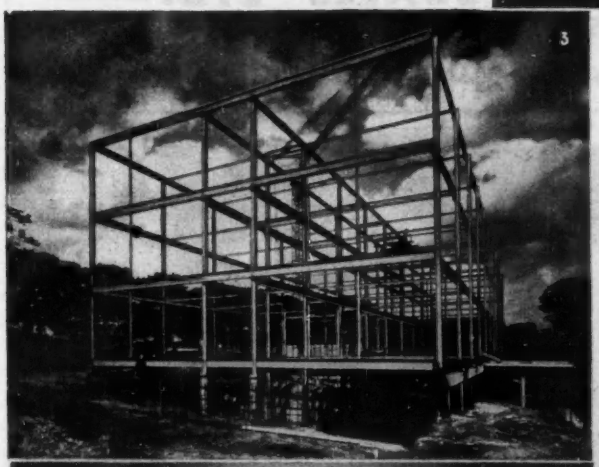

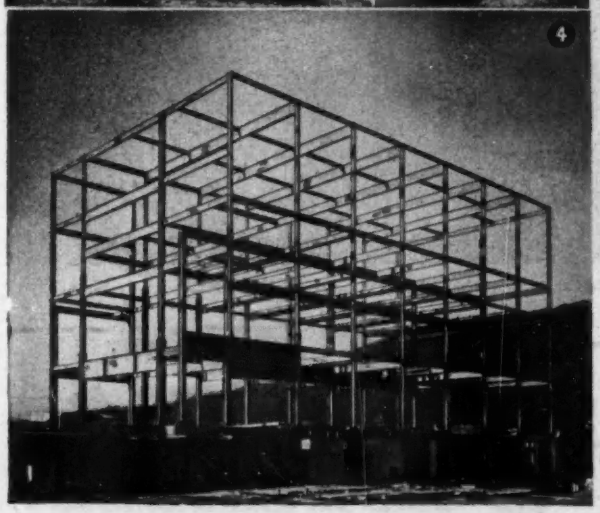

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H.P.5917

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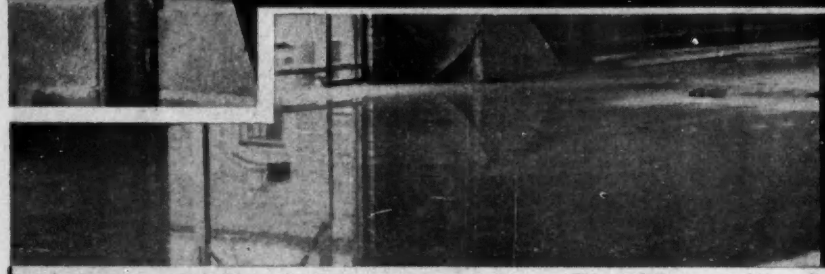
DENSO prevents corrosion



They first received the appropriate DENSO treatment to ensure their complete and permanent protection from corrosion.

Visit our Stand Nos. 1 and 2 at the Corrosion Exhibition Royal Horticultural Society's New Hall, Westminster S.W.1. April 27—30 1959

Photograph by courtesy of Herts. County Council and the Architects, Tooley & Foster, Buckhurst Hill, Essex.

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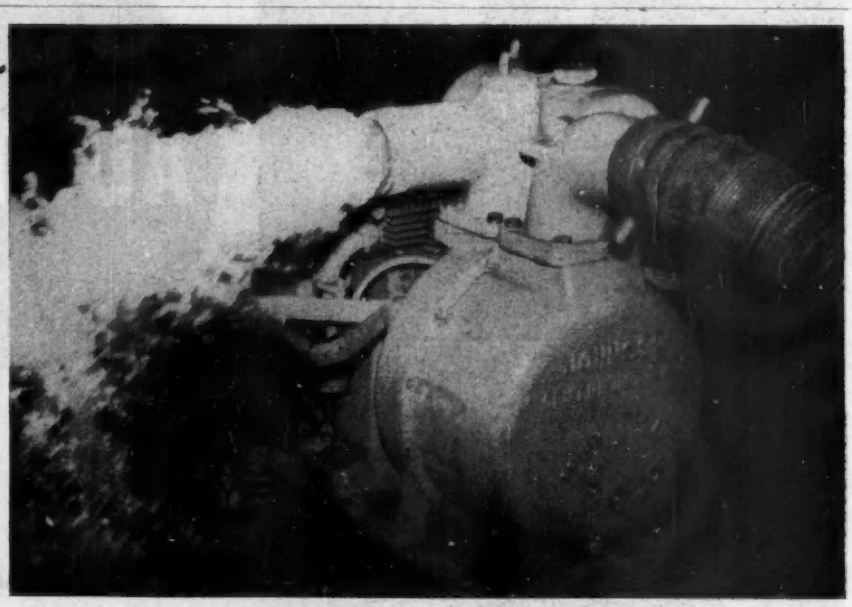

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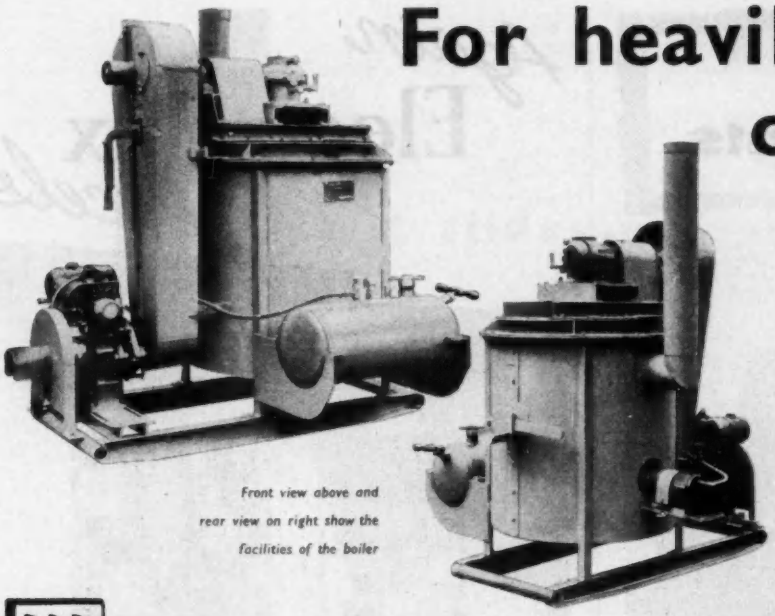

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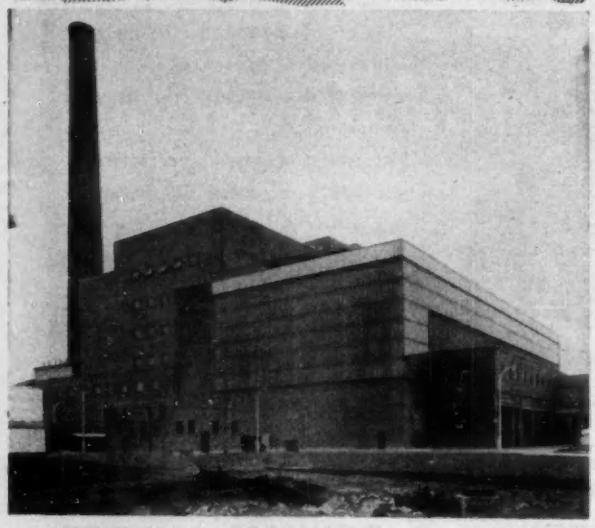

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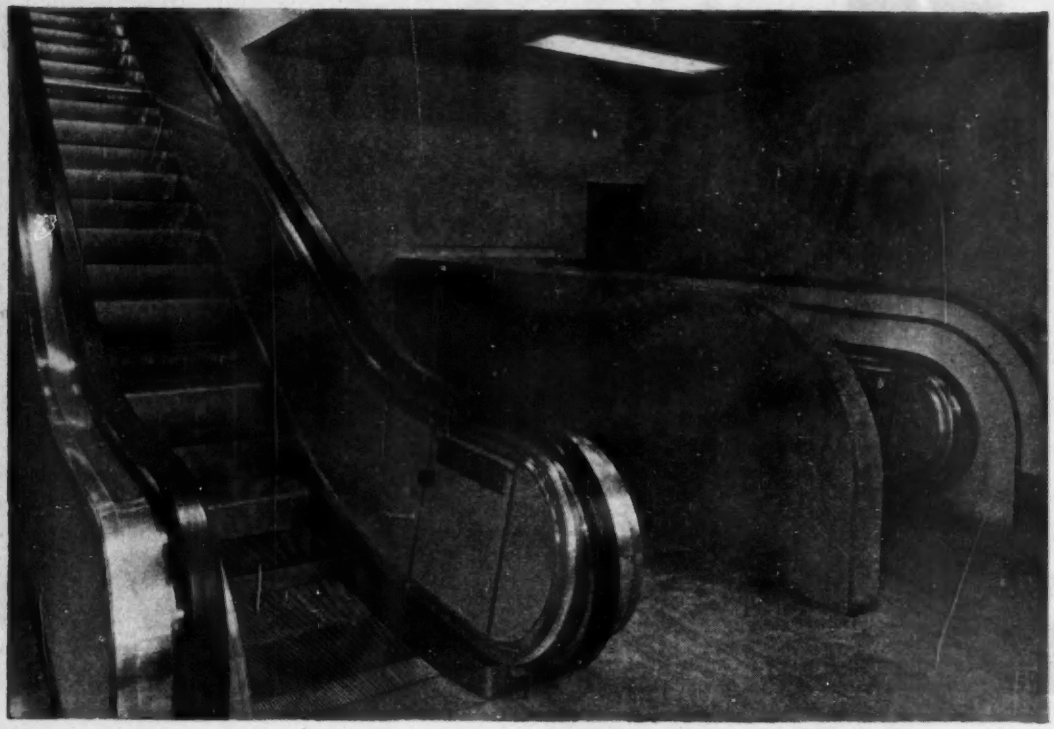

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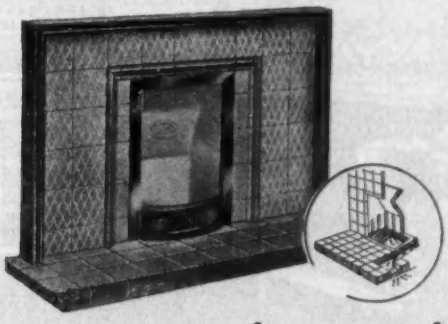

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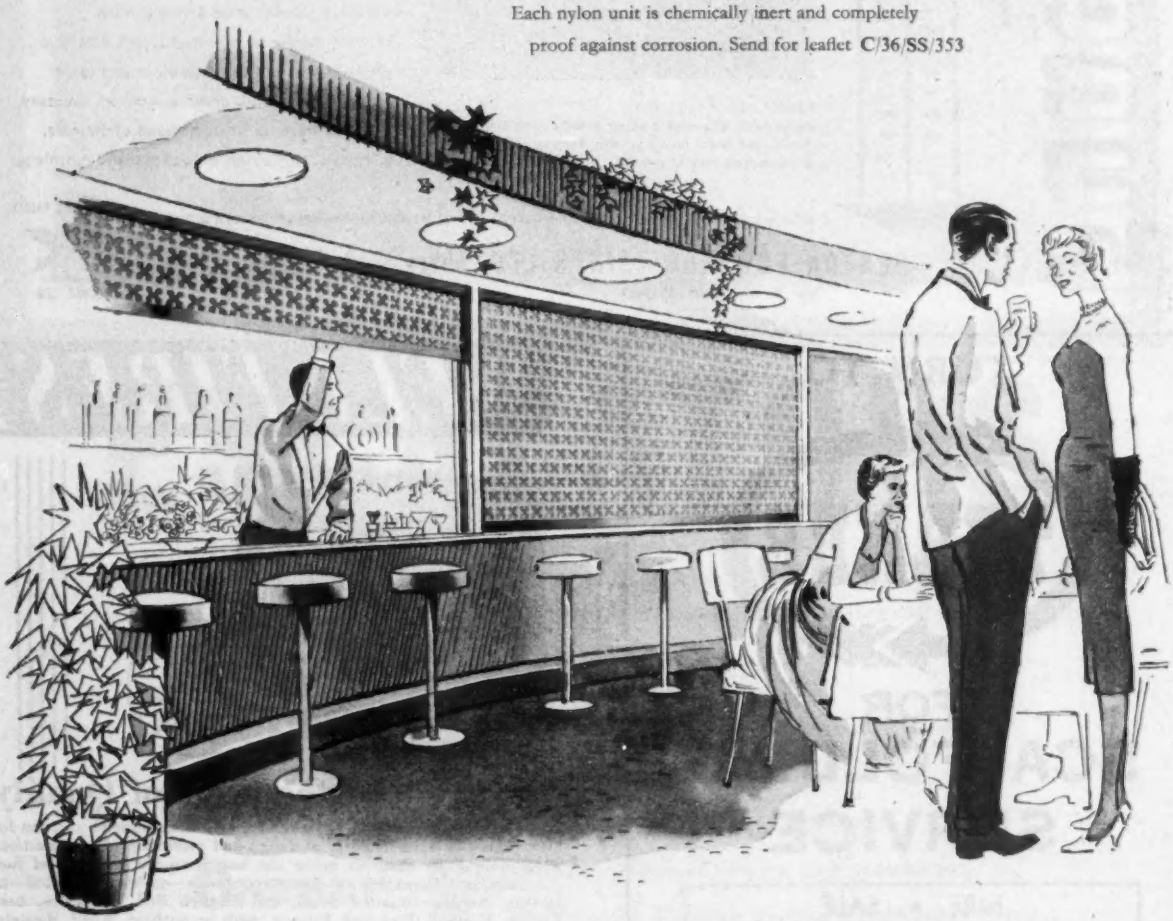

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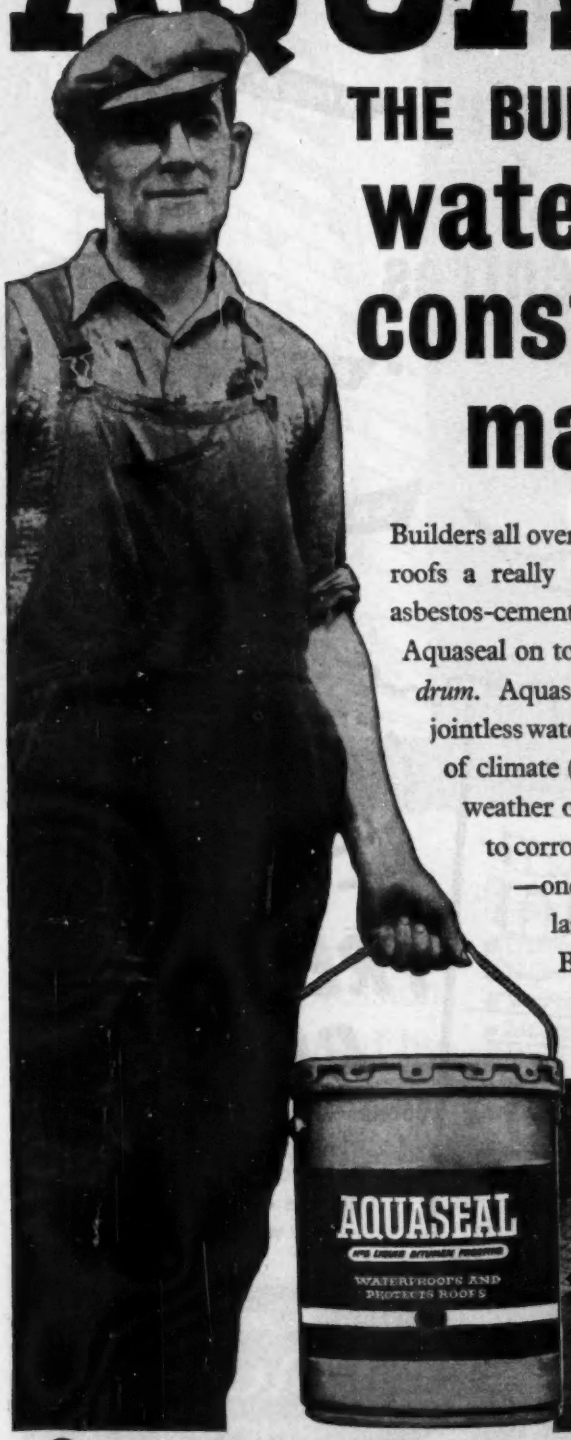

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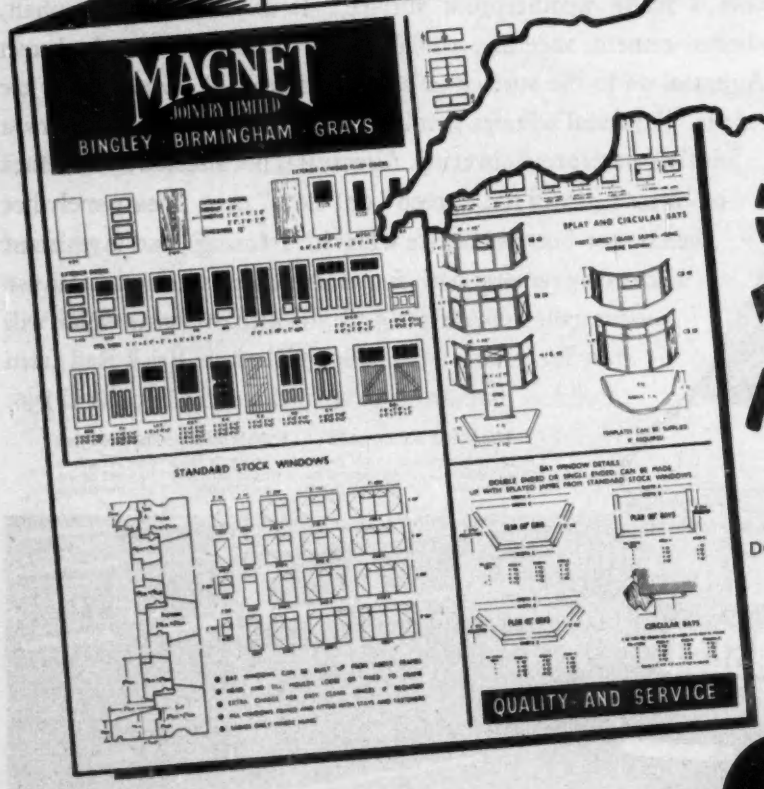

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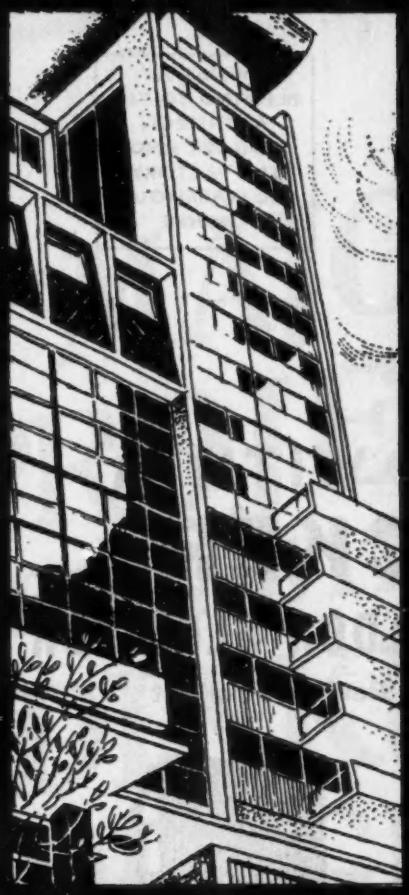

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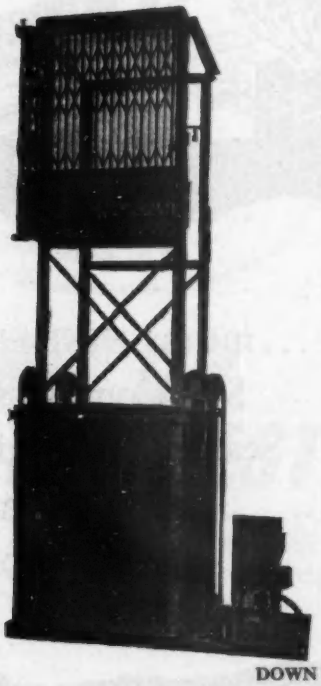

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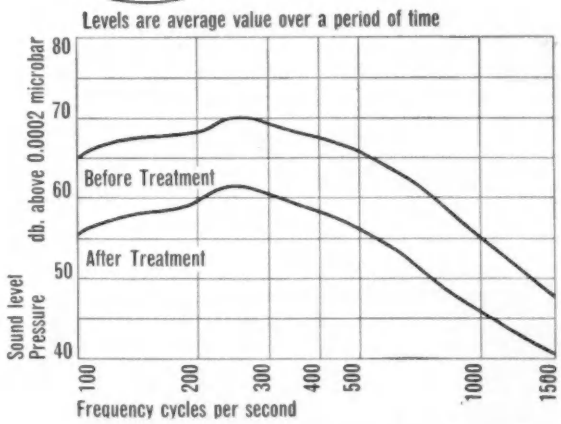

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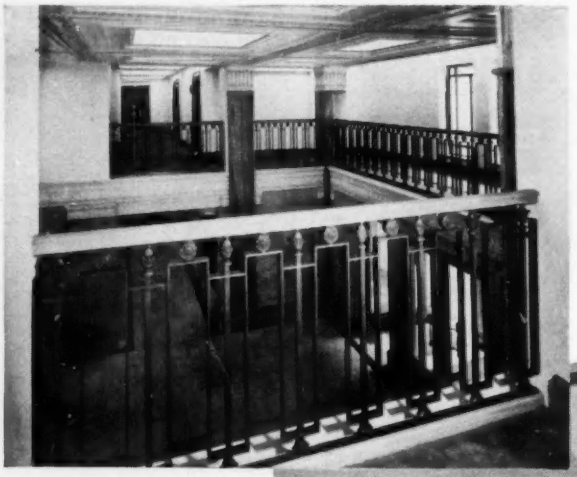

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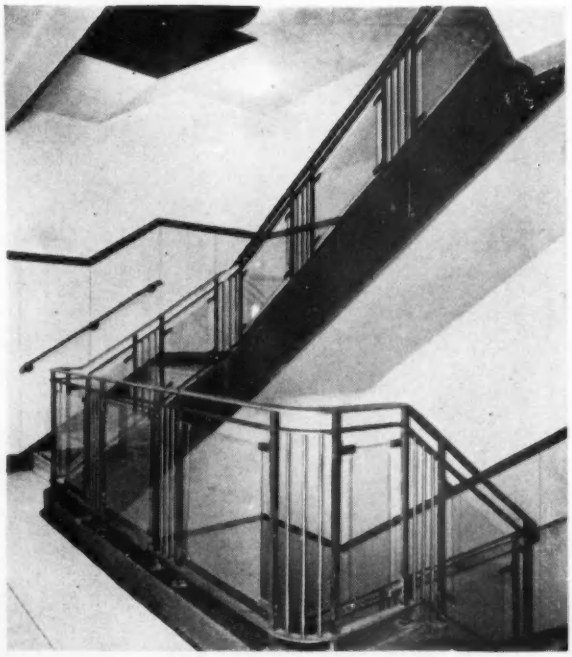

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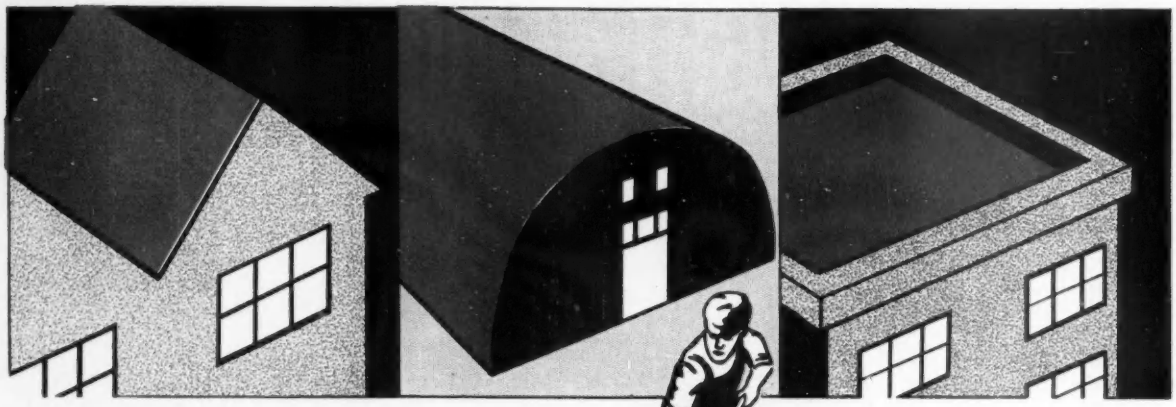

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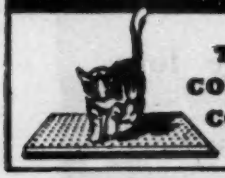

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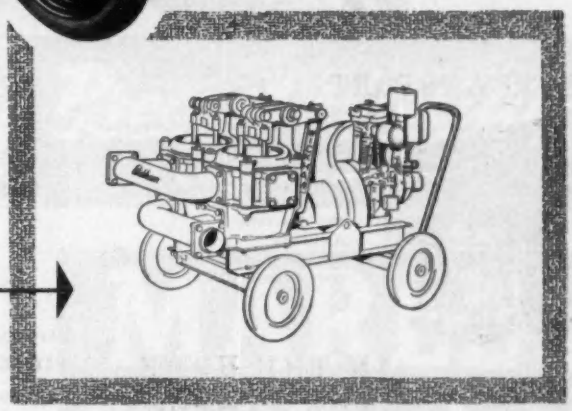

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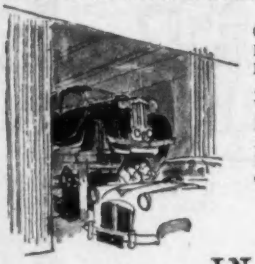

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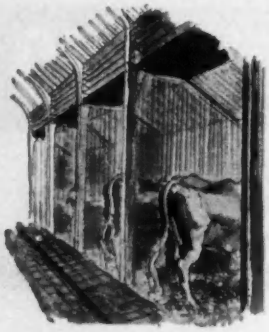

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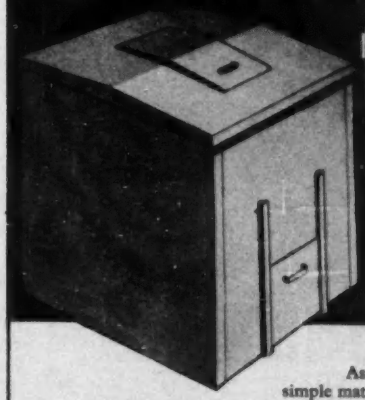

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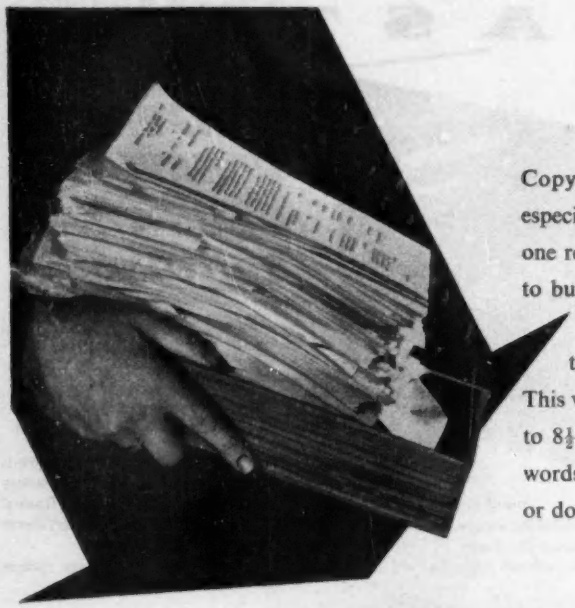

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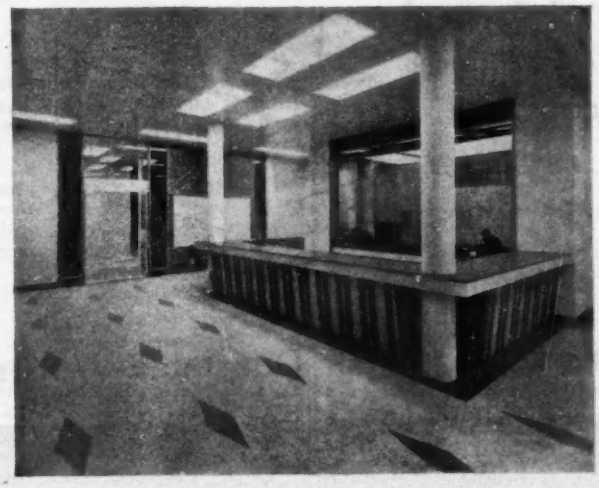

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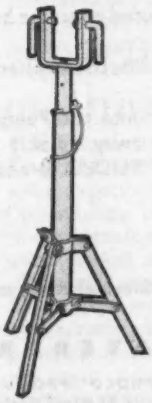

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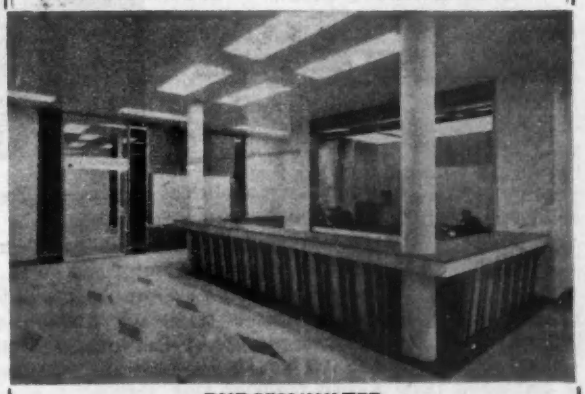

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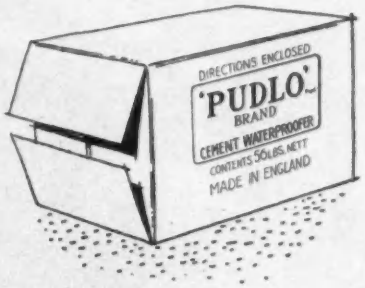

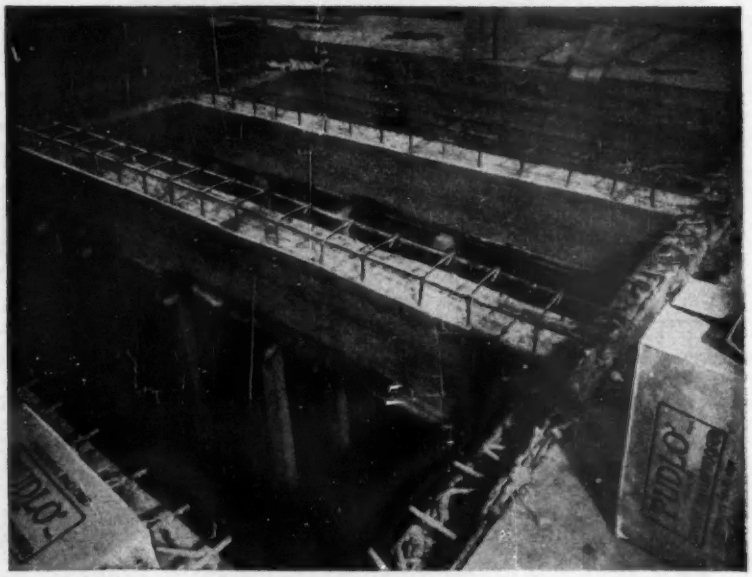

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NEGOTIATIONS between the Ministry of Education and the Architectural Association on the establishment of a College of Building have broken down. p. 856

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THE MoE raised the cost limit on 'minor' school building projects from £10,000 to £20,000. p. 859

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THE BUILDER

Incorporating ARCHITECTURE & THE BRITISH ARCHITECT

Vol. CXCVI May 8th 1959 No. 6058

FEES FOR PRIVATE ENTERPRISE HOUSES

A NEW scale of fees was agreed by the RIBA Council in January 1959 for architectural services of a limited nature in connection with private enterprise houses. This followed a suggestion by the Federation of Registered House Builders that speculative builders might wish to make a more extended use of such services than was contemplated in the scale previously agreed by the RIBA under an arrangement made in July 1957. Architects and builders alike will no doubt be grateful to the Federation for initiating this further attempt to clarify a situation which has long been controversial and fraught with difficulty.

The new scale, which is set out in this issue, shows that four broad categories of service are now contemplated, rising by graduated stages from the minimum service covered by the earlier agreement at £45 a house for each type design plus £10 royalty and layout, to the full service with general supervision where the architect is engaged by a developer other than a builder, at which stage a fee of approximately 6 per cent on the selling price of the first house is reached. The vexed question of printing charges and other out-of-pocket expense incurred by the architect is not referred to, but presumably the standard conditions will apply. This must cause many architects to wish once more that the RIBA could see its way to publishing one comprehensive document containing, in addition to the standard conditions of engagement and scale of fees, all the special variations such as those which are agreed from time to time with government departments and other bodies.

Opinion will vary on whether this newly agreed scale is adequate. Certainly, architects who have done some of the best work in post-war speculative housing development will say that it is not nearly enough to enable architects to give the quality of service which work of a high standard in this field requires. It is nevertheless a move in the right direction, if for no other reason than that it acknowledges the services which architects can render to builders of small private housing schemes, and it is to be hoped that developers will take full advantage of the architectural services which are available to them at modest fees under this arrangement. The outstanding examples of successful private development of this nature since the war, most of which have been illustrated in this newspaper from time to time, have demonstrated the reward to be reaped from the architect-builder collaboration, and speculative builders can no longer afford, nor can the national interest allow them, to let unqualified designers loose on their schemes.

QUALITIES OF COUNCIL MEMBERS

IN a letter on this subject published in our issue for April 24, Mr. Stanley W. Milburn wrote: 'I entirely agree with you that we want the best and most experienced architects to represent us on the Council of the RIBA.' Commenting on this in a covering note enclosed with a letter appearing in 'Correspondence' in this week's issue, a correspondent writes questioning whether skill in architecture is the best qualification for guiding the political affairs of a professional institution. 'I see no connection whatever,' he writes. 'If it were so, skill in architecture should be the primary requirement for membership of Parliament. It was not his skill as a bricklayer, a painter or a writer that made Churchill a great leader of the nation. A life spent in the study of one art or profession is more likely to unfit a man to guide the destinies of an association of men or of a nation, for which a broader outlook is absolutely essential.'

There are some debatable points on both sides. What is meant by 'best,' and who are the best architects? So much depends on personal taste and opinion that it would be difficult to get any general agreement. If, however, we assume 'best' to mean architects of the greatest distinction irrespective of what we think about the quality of their work, there can be no doubt that

such men are needed on the Council of the RIBA. It would surely be unwise to entrust the destinies of the RIBA and architecture entirely to unknown assistants, though obviously their views must be properly represented.

The parallel with Parliament is not an exact one. The qualities required of a man to guide a professional institution are very different from those required in Parliament, where within a short time one may have to consider subjects as diverse as crime, foreign policy or the design of motorways. Nor should we have much confidence in a House of Commons consisting entirely of back-benchers—as would be virtually the condition of the Council of the RIBA if it were to be deprived of what Mr. Milburn has called 'its best and most experienced architects.'

Sir Winston, so far from being unknown, was a world-famous figure, and it was his character, his statesmanship and his oratory that made him a great leader. Such qualities, though of course on a different level, are needed in the leaders of the RIBA. We agree that a broad outlook is essential to the holding of office, but it is surely not to be assumed that because a man is a good architect he is necessarily a fool in everything else. Our correspondent thinks that a life spent in the study of one art or profession 'is more likely to unfit a man to guide the destinies of an association.' Would he then prefer the RIBA to be guided by men who are not architects?

TOWARDS THE PROFESSIONAL BUILDER

THE new articles of association to be submitted to an extraordinary general meeting of the Institute of Builders on May 20 mark another stage in the resurgence of the Institute and confirm the impression given by the new membership structure published in July, 1958. The Institute is turning itself into a thorough-going professional institution, modelled on the lines of the chartered institutions.

This impression is deepened by a study of the new articles, admirably presented on one side of the page with a commentary opposite. Frequently changes from the existing articles are explained as following the practices of other professional bodies. The constitution of the Council with the increased weight of representation of Associates, the voting rights of Associates and, above all, the provision for the Council to make codes of conduct, all point strongly towards the builder as a professional man in the full sense of that term. From the very first page, when the single word 'building' replaces the term 'building industry' used in the previous articles and the former restriction of membership to British subjects is abandoned, there is a sense of wider scope and of more ambitious standards. Provision is made for branch representation on the Council, evidently in the full confidence of active branches of the Institute developing in all parts of the country. There is provision for postal ballots to meet the needs of a widespread membership. Embodied in the articles is the new membership structure, with admission and transfer arrangements brought into line with the practice of other professional bodies.

Seldom can so old-established an organisation have effected, without revolution or discontinuity of activity, so far-reaching a change in its constitution. The origins of the Institute go back as far as those of RIBA or of the Institution of Civil Engineers, two bodies of high seniority among professional institutions in this country. Future students of the history of such institutions may be hard put to it to explain how it came about that industrial development, which provided the circumstances for the expansion of other institutions, was so slow to affect the Institute of Builders. It is commendable, however, that it is from the industry that the new spirit has come to demand a different type of Institute and to provide the confidence to take one great stride for the attainment of that end.

There is no accident about the fact that these changes have been preceded by a growing interest in recruitment and training and a wider regard for technical knowledge. These are matters with which professional institutions have always concerned themselves very closely and the new policy of the Institution will focus attention afresh on these fundamental requirements for technical efficiency. The Institute's new scheme of examinations is required to complete the changed pattern, and the tone of the new articles encourages the hope that when particulars of the new examinations are published in September, the Institute may make a significant contribution to building education.

The effects of the new policy of the Institute cannot easily be foreseen, but it is evident that it may exercise a profound influence on the world of building, both on the contracting and on the professional sides. Indeed, it is this whole matter of sides which is most likely to be affected, and there is ample evidence in the field of civil engineering to justify the belief that the changes to come will be in the best interests of building owners and users, that is of the nation at large.

Notes of the Week

RIBA Annual Report

THE report for 1958 of the RIBA, presented to the annual general meeting on May 5, is notable both as an impressive record of work done by the Institute's voluntary committees during the year and for the vastly improved manner in which the report itself is laid out and printed. This latter advance has been achieved by the efforts of a group set up by the Public Relations Committee which, working with a professional typographer, Mr. Herbert Spencer, has laid a plan for redesigning the whole field of RIBA publications, of which some (notably posters, symposium papers, leaflets, etc.) have already been seen. The present report continues that welcome advance, and is a publication in which members can well take pride, the more especially as we gather that actual economies in printing costs have been made.

The report itself formed the basis of lively discussion at last Tuesday's meeting briefly reported on page 856 of this issue. It carries a well-constructed and forward-looking preface from which the following is taken: 'Finally . . . we have carried further our appraisals of the Institute's internal affairs. The Council itself has to be as fully representative, yet as full of the best available material, as we can make it; relations between Allied Societies and Portland-place must be intimate, lively and well-co-ordinated; we must be in touch with the smaller sectional interests such as, during this year, salaried architects in industry and commerce; and we have to go on accumulating the factual, often statistical evidence that provides a right basis for sound judgments. We need to be democratic enough to hear all views, and autocratic enough to get things done; to be bold without being reckless, and circumspect without being irresolute; in short to blend service with leadership. This is all dependent on a sound domestic economy. . . . No aspect of internal organisation must be overlooked that might release another £1 of members' subscriptions for active service.' This is a good fighting credo which we hope the Council itself will read and re-read.

Registration of Builders

THE QUESTION of restricting entry into the ranks of builders, with which is bound up the subject of registration, came up again on Friday last when Mr. Oddie presided over a Press conference at which were explained the scope and purpose of the new constitution of the Institute of Builders. The provisions are reviewed on facing page and—in that they base the Institute much more democratically in regard to the new Associate class which is to be given voting powers in Institute affairs—are welcomed.

Is the creation of the professional class of builder enough to safeguard the craft of good building? Clearly it will do much in that membership of the Institute, which eventually will be through examination only, will set a standard which the knowledgeable architect and client should accept. But all clients are not know-

ledgeable, and others (especially local and public authorities) are wedded to the principle of the acceptance of the lowest tender, with all that this involves. The Institute of Builders, which has toyed with the question of registration of contract builders for 25 years, may well feel called upon to re-examine the subject in the near future. With growing dissatisfaction with the results of some contract building, both among builders and some local authorities (who begin to appreciate that it is not the initial tender price but the cost at settlement that counts), the present time could well be propitious for a re-assessment.

Presidential Achievement

MAY 20, the day on which the Institute of Builders seeks the assent of its corporate members to the new constitution, sees Mr. Harry Oddie hand over the presidential chain to Mr. Geoffrey Swayne. The three years in which Mr. Oddie has been in office have been momentous ones for the Institute in that a new structure has been built on a site cleared by a 'ginger group' headed by Mr. Leslie Wallis and containing among others, Mr. A. W. Yeomans and Mr. Philip Smallwood. Mr. Oddie has been the chief architect of the changes that have been effected, aided (as he would be the first to agree) by a Council that has captured his enthusiasm and a Secretary in Mr. Neale who goes from strength to strength.

The Institute of Builders is once again a power in the land of Building Education, as can be judged by the rapid and continuous growth of membership. Most importantly, its examinations are again finding favour with the technical schools, a happy state that must expand still further when the new streamlined examination system comes into operation as shortly it will. Within measurable time, membership of the Institute will be exclusively on a basis of examination.

* * *

IT HAS BEEN FORTUNATE that the Institute could call at that critical time in its long history on Mr. Oddie. To a clear conception of what a builder should be, Mr. Oddie has brought personal qualities of tact, understanding and persistence which have done much to gain acceptance up and down the country of the 'new look' assumed by 48 Bedford-square, and as such he deserves and will surely receive the thanks and congratulations of the industry and of the country which it serves.

Mr. H. T. Cadbury-Brown, FRIBA, AA Dipl. (Hons.), who has been elected President of the Architectural Association. He takes office on June 1

An NJC Retirement

NO PERSON in British building today is held in greater respect and affection than Mr. I. Ernest Jones, who retired last week from the position of Employers' Secretary to the National Joint Council of the Building Industry, a post he has held for the past 27 years when he succeeded another great character, the late A. G. White. It would be true to say that every one of the large and distinguished company which lunched together at the Dorchester on April 30 is proud to call him friend. Of the many tributes paid him, he may be most pleased to remember that of his co-Secretary on the Operatives' side, Sir Richard Coppock, who in a remarkable speech praised his work for the Council 'in which, though representing the employers, he was invariably sincere and desirous of helping both sides. In A. G. White and Ernie Jones,' continued Sir Richard, 'I have been blessed with two of the most helpful, honest men it would be possible to find in carrying on our joint task of maintaining peace in this great industry of ours.' Coming from what might be called the leader of the Opposition, that is high praise indeed.

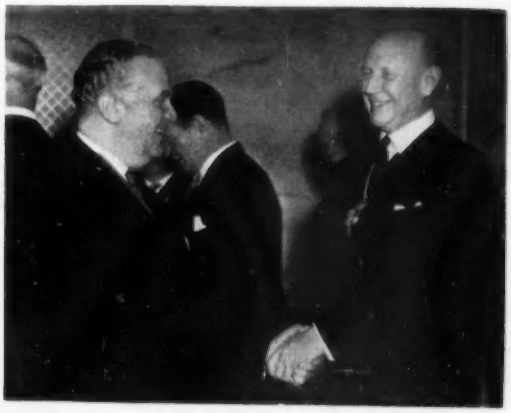
Other speakers, who included the NJC Chairman (Mr. Leonard Walden), Mr. George Grosvenor, Mr. Jim Mills, Sir Frederick Leggett and Dr. Charles Hill, M.P., Chancellor of the Duchy of Lancaster and an old school friend, made individual tributes to Mr. Jones and to his wife whom all affectionately know as 'Topsy,' and an occasion, robbed of all sadness by the good spirits of the guests of honour, ended with the presentation of a handsome cabinet as a token of the Council's appreciation.

* * *

MR. JONES is succeeded as Employers' secretary by Mr. Oliver Jayne whom Sir Richard welcomed by saying: 'You will be a success if you will follow the example of that wise man Jones who, unlike me, never waved the big stick and never fired his guns until the last possible moment.'

Felix Candela

OF THE RECENT VISITORS to Great Britain none, it may safely be said, surpasses in interest Sr. Felix Candela, now in this country as the guest of the Cement and Concrete Association. Sr. Candela's work has from time to time been illustrated in this newspaper, and the opportunity given by the Association on Monday evening to meet the designer was welcome and most rewarding.



LMBA LUNCHEON—Seen above are Mr. K. J. Pearce (*left*) exchanging a Scouts' hand-shake with the Lord Mayor of London (Ald. Sir Harold Gillett) at the LMBA luncheon at the Savoy Hotel on May 1. See report on p. 855

Candela, trained in Spain as an architect, emigrated following the Spanish civil war to Mexico where things ran badly for him until, with a partner, he gained a contract under what we should call an 'all-in' scheme which set him on his feet. He is particularly interested as an architect-engineer-contractor in what he calls 'the no-man's land' between architecture and engineering. 'The most important thing for these two professions,' he says, 'is to close the gap between them. It is perfectly possible; most of the techniques I use are very simple, as long as one steers clear of the jungle of paper and keeps the mind on essentials.' If that gap can be closed, he foresees that the old idea of the master-builder will again become fact.

* * *

IN REPLY TO QUESTIONS (where his adroitness and dry sense of humour would make him a 'natural' on any Brains Trust) Sr. Candela refused to be drawn very far in definition of the point at which, in his own case, the architect's part ended and the engineer's began. In fact, he disclaimed that he is now an architect at all ('We consult with architects and help them to realise their schemes') but it is difficult to think other than that many pedestrian projects enter his office and emerge in a form both economic and exciting. Candela works with a small staff of two engineers and two architects (apart from his brother, the office manager, and his sister, 'she takes care of the money'). He prefers to restrict his work to the structure of his buildings, leaving the finishes to be done by designers of the client's choice. He quotes a fixed price for the job and the workmen carry out operations on piece work. ('They are not organised, but at least we have no troubles with new techniques').

Sr. Candela has been lecturing in four centres this week, and each has been a 'sell-out.'

CORRESPONDENCE

Back to Tradition ?

To the Editor of *The Builder*

SIR,—Is architecture doomed to be the sport of changing fashions ? During the present century we have seen nothing but a succession of variations on stylistic themes, including the contemporary. As a layman who began to take an interest in architecture over fifty years ago, I can recall a variety of experiments in such modes as tail-end Gothic Revival, *Art Nouveau*, 'Wrennaissance,' Free Classic, *Beaux-Arts* Classic, Personal Artistry, Tudoresque, Neo-Grec, Neo-Georgian and various forms of Functionalism, culminating in the Frame-cum-Curtain Walling and the Glass Cage. During this period the structural frame, whether of steel or reinforced concrete, has become the standard form of construction for nearly all commercial and other large buildings; only its clothing has changed.

Do we now go forward or back? We have become accustomed to unreasoning fulminations against 'modernism' and tend to disregard them, but lately there have been some serious signs of discontent with the present state of architecture. Most of the *avant-garde* critics appear to dislike our contemporary work as much as they dislike traditionalism, and cherish some remote ideal of aesthetic perfection. Others want to go backwards. For instance, a week or two ago a lecturer at the RIBA put in a plea (at least by implication) for a return to classical principles of design; and the current issue of *The Builder* commends the designs of Mr. Raymond Erith, the new ARA, for their 'traditional influences.' Are these things a portent?

I had been led to believe that the aim of the profession was a rational contemporary style based on the structural frame. Lethaby said that 'the fairest horizon might be reached if we could go in one direction long enough.' I'm beginning to wonder whether architects have the staying power or even the desire to go for long in one direction. Fashion and change are constantly drawing them away from the true objective, and the new will-o'-the wisp appears to be a return to tradition. How is this to be reconciled to new materials and constructional techniques, or do these have to be abandoned? From your report of the recent NFBTO Conference it would seem that the operatives at least are convinced that these things are here to stay.

I should be grateful if any of your readers could suggest an answer to my opening question.

G. J. HOWLING [Hon. ARIBA].

Wimbledon, SW19.

'I've been to these AGM's at the RIBA before . . . !'

Qualities of Council Members

To the Editor of *The Builder*

SIR,—I have set down some thoughts on the proposition advanced by Mr. Stanley Milburn, FRIBA [*The Builder* of April 24] that 'we want the best and most experienced architects to represent us on the Council of the RIBA.'

(1) If skill in architecture is the primary qualification, then we should not be content with good architects. We should demand the *best* architects.

(2) Who is to say who are the best architects? A traditionalist is said by some to be a mere copyist and his work out of date. Others hate the work of those responsible for what is called contemporary since modern, modernistic, and ultra-modern became unfashionable terms. Anyone between these extremes is mediocre.

(3) The great majority of the members will have no knowledge whatever of the candidates other than what they have seen in the technical Press. The work of some of the best architects may never have come to their notice.

(4) The tendency will be, as in the past, to vote for the candidates who are best known. These will not necessarily be the best architects. They are more likely to be those who most seek publicity for themselves by having their work illustrated, taking part in discussions and social affairs, and so becoming 'well-known' architects.

(5) If the foregoing is true, then the votes will be cast as in the past and we shall have a new Council closely resembling the Councils of the past, which have brought the Institute to the mess many members believe it to be in to-day.

(6) But is skill in architecture the prime requirement in men who are to control the Institute? Architects cannot engage in business, but other professional men can do so. Yet how seldom do we find technical men at the head of large businesses with thousands of employees or 'members' in the form of shareholders? The training of men in professions is completely different from the training of administrators and policy-makers. Set-squares and compasses and slide rules have no place in the mental outlook of an administrator or policy-maker. They are useful tools for the work in hand, but give no indication of what is happening outside the drawing office. A much wider outlook than that given by technical and professional training is necessary to guide the destinies of a great Institute.

(7) Surely we do not want the best, or even good, architects. We want the *most intelligent* men engaged in architecture whether they are the best or the worst of the practitioners of the art.

BEDLAM.

Sevenoaks, Kent.

Architect—The Master Builder!

To the Editor of *The Builder*

SIR,—It was with initial interest and later foreboding that I read the summary of 'The Comprehensive Building Service' [*The Builder*, April 24] recently put forward as a paper at the BASA Conference at Cambridge. From the published resumé one is led to wonder who was responsible for the formulation of the programme at the conference—as with one all-in 'Comprehensive' sweep Mr. Anderson proposed that potential architects should forsake their profession and all that this implies—and presumably join the Federation of Master Builders!

Let us look at the proposals, first the 'All-in Service'—this is already an established procedure and occurs most frequently with companies indulging in private estate development, in which, however, an element of competition is still provided by reason of the number of companies similarly engaged who by reason of price and/or design are endeavouring to secure markets. With the 'Comprehensive Service' we have a picture formed of an architect/salesman acting on behalf of a builder—there is I feel no need to elaborate upon the situation which could and would arise.

Mr. Anderson says that he sees a 'firm of architects having at call a number of building firms . . . each of whom may be more suitable for one type of contract or the other.' Is he not aware that in the majority of cases where work of a specialist nature is to be undertaken, architects and local authorities do in fact have 'selected tenderers,' and if one is prepared to accept this and the fact that the builder selects the type of work he wishes to tender for, then the 'Comprehensive Service' appears to be unnecessary. I rather feel, however, that there is a pet hobby horse lurking somewhere—its theme appears to be the advocacy of negotiated tendering as a basis for a better job at a more economical price. I wonder! Nationalisation has produced what is a similar situation.

Finally, a study of the figures in your leader in the same issue, showing that 60 to 70 per cent of new building is handled by the architectural profession, will be sufficient to allay the fears of any potential architect!

'MODUS OPERANDI.'

Hertford.

Aid for the Arts

To the Editor of *The Builder*

SIR,—The emphasis placed on London as a home of the arts in Britain requires further justification than it receives in the Arts Council report of April 21. Three major projects are suggested for the Metropolis—the National Theatre, for which a site on the South Bank is waiting; a medium-sized concert hall (probably as an addition to the Festival Hall); and an exhibition gallery, already proposed by the LCC on the South Bank. In addition the report notes plans in hand for new theatres in Kingsway and at Notting Hill Gate; and a music centre in Regent's Park.

London, as the report says, is undoubtedly in a special position, as the focal point not only of the rest of the country but of visitors from abroad. Yet it will seem to some observers that, excepting Scotland and Wales (the subjects of recommendations by national

committees of the Council) other parts of England are hardly done by in the matter of the arts, in particular the theatre, and I am among those who would prefer to see the projected National Theatre put right at the end of the priority list until such time as a sufficiency of repertory theatres is established throughout the country. London, with its many theatre clubs and existing theatres, already has adequate room for experimental work.

Art questions aside, the report's concentration upon Metropolitan needs will tend to aggravate the planning problem. Already the population drift to the south is a matter for alarm; and support in the form of adding to the fund of cultural activities in the provinces (at present being encouraged almost solely by municipal endeavour) is something which ought to be a priority with the Arts Council, if only as a stabilising influence in population movement. Let us bury the National Theatre project for another generation and look wider afield!

THESPIAN.

The Savage Club, SW1.

Dovecote at Marcham, Berks.

To the Editor of *The Builder*

SIR,—The enclosed photograph may be of interest to your readers. This dovecote in Farm Close was probably built in about 1500. It had been in need of repair for a considerable time, but recently steps were being taken for its preservation when, unfortunately half of it collapsed on December 27.

Whilst it may not be practicable to rebuild the dovecote, from the archæological and local historic points of view it is desirable to preserve what remains of the building, but it is doubtful if this can now be done, unless immediate help is forthcoming. Before the collapse it was the last complete example of the unique series of seven dovecotes at Marcham. One of these, which also was circular, has completely disappeared, but its site is known. Remains of the other five dovecotes, all of which were rectangular, still exist, including the very fine one near the church, which has about 700 nest-holes in its four gabled walls.

Had any other village in England so many dovecotes? Much of the land at Marcham at one time belonged to Abingdon Abbey. Is their number accounted for by the monks' partiality for squab pie?

C. B. WILLCOCKS [FRIBA, MTPI].

Reading.

New Brick Design

To the Editor of *The Builder*

SIR,—The queries posed by Mr. Harris, the Northamptonshire County Architect (*The Builder*, of April 24) about the possibility of mortar droppings building up above the level of the damp-proof course when using the new through-the-wall perforated bricks, and of moisture creep across the ceramic tiles were among the problems that exercised the staff of the Building Research Station before practical trials of the bricks were started.

Observations of the condition of the bottom of the cavities both in the early test walls and later in the practical building trials at Aylesbury have shown this in all cases to be remarkably clean. Some of the mortar simply squeezes into the small perforations forming keys but the large cavity hollows are left quite clean. This brings an added advantage in that facing brickwork can be kept cleaner when under construction.

A dovecote at Marcham
(see letter)

Whilst it is an admitted possibility for water to travel across the 'ties' in these through-the-wall units, stringent rain penetration tests made on panels built with those perforated bricks both of low and fairly high porosities have shown a high degree of resistance to penetration—an indication that very little water can be travelling across these ties.

The Building Research Station would be interested in further practical trials of such units and two manufacturers in the Birmingham area have already advertised that they propose supplying such units.

B. BUTTERWORTH,
for Director of Building Research,
Building Research Station.

Garston, Watford.

Measurement on a Decimalised System

To the Editor of *The Builder*

SIR,—It is hardly necessary for me to take up space in your columns in replying to Mr. Alcock's letter published in *The Builder* of April 24. I replied as the spokesman of the Committee and it was — to say the least — a little discourteous to answer with an attack on me personally.

The purpose of my previous letter was to draw the attention of your readers to the fact that part of Mr. Alcock's letter published on March 20 was not an official pronouncement from this Committee, although he apparently intended that it should appear so. This Committee is considering all evidence as received. In endeavouring to find the facts it is almost as difficult to sift the evidence of the enthusiasts, who are inclined to overstate the case, as it is to consider that of the opposition, who do not even bother to reply! At least with the latter you know precisely where you are! Further, the work of the Committee is not facilitated by individuals submitting their evidence twice through different channels, as Mr. Alcock claims to have done.

Finally, I would merely say that Mr. Alcock seems to have jumped to a number of unwarranted—and in some cases, wrong—conclusions.

E. SHIPLEY,
Joint Technical Officer,
British Association for the Advancement of Science.

18 Adam-street, Adelphi, London, WC2.

Timber as Protection from Radiation

To the Editor of *The Builder*

SIR,—Radiation is very much in our minds at the moment, as the recent international exercise on the problems of fall-out has demonstrated. Radiation, however, is nothing new. Man has been subjected to it ever since the beginning of time, both from outer space and from the earth itself, but the present concern arises from the additions man is making to these natural radiations as a result of his recently-acquired ability to release nuclear energy.

Anyone who takes this problem seriously may find comfort in the fact that one of man's oldest friends—timber—comes to his aid yet again by providing a substantially higher degree of protection from radiation than other commonly-used building materials. In its 'News-Letter' dated March, 1959, the Central Electricity Generating Board quotes the following figures for radiation received in the centre of a room in given conditions using different constructional materials:

Material	*Radiation Received (in Milliards per year)*
Wood	49
Brick	104
Concrete	104
Granite	137 (approx.)

Thus a move from a timber to a brick-built house involves an increase in radiation received corresponding to the local increase following the accident at Windscale in 1957!

We are assured that these levels are not dangerous, and must accept the word of the experts; but the fact remains that wood gives more than twice the protection of other common building materials, and this alone must entirely accentuate and quicken the already marked swing towards the use of timber in architectural design.

STUART S. MALLINSON [Kt., CBE, DL].

The White House, Woodford Green.

'Topping Out' Ceremony

To the Editor of *The Builder*

SIR,—I am an architect's secretary and I always look through *The Builder* when it arrives at the office.

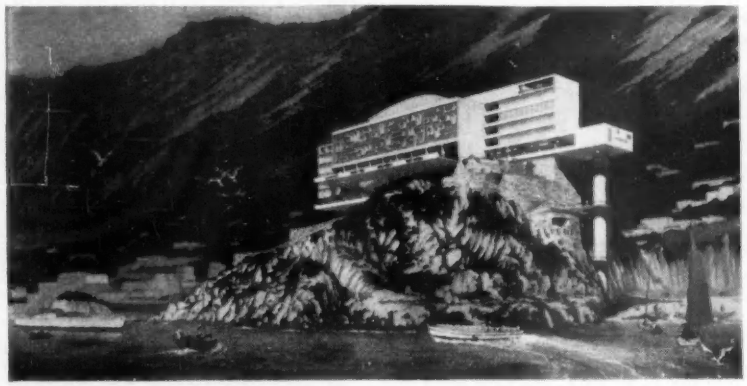
I see from the issue of May 1 that Mr. Arthur W. Kenyon in his section 'Everyday Things' refers to 'Topping Out.' Although I did not know that such a ceremony ever existed on English building sites, I do recall that during a holiday in the Austrian Tyrol last year I saw chalets under construction with a small fir tree perched on the topmost point of the building. I thought this strange at the time but I now realise that this must be their symbol of 'topping out.'

[MISS] V. I. TOMKIN.

5 Little Buckland-avenue,
Maidstone, Kent.

ACADEMY ARCHITECTURE, 1959

Reviewed by Robert Paine, ARIBA, ARCA

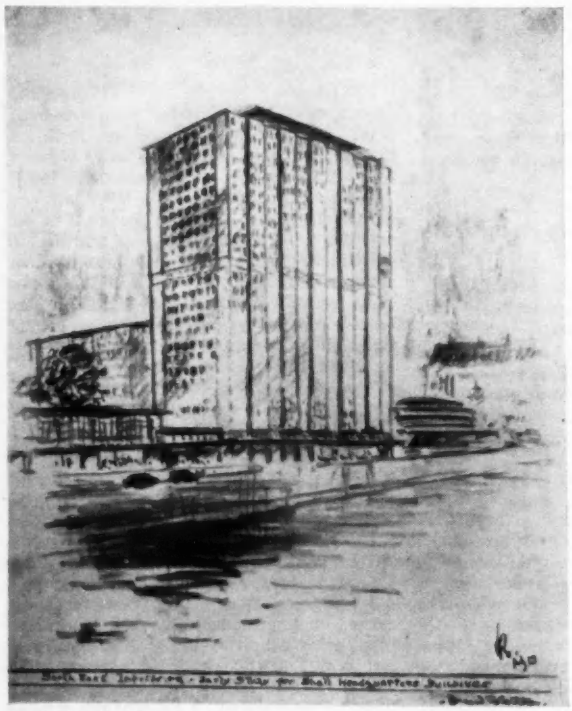


Drawn by Lawrence Wright

GIBRALTAR INTERNATIONAL CLUB CASINO
Tripe and Wakeham, Architects

MR. FURNEAUX JORDAN, pontificating recently, dismissed the English contribution to the modern movement as negligible on the plane of history, a melancholy fact confirmed again by this year's Royal Academy show. Conversely, the modern movement contributes significantly to what is on view, feeding it generously with gimmicks and gee-gaws. Handiest of current borrowings is the Edward Stone veiling which may be seen tastefully draped over a number of the exhibits at the same time concealing and revealing in the manner of German cabaret.

It is tempting indeed to wonder whether the Academy might not be in part responsible for English architecture's failure. With perhaps one exception everything is shown without a plan : the emphasis is entirely on buildings seen in the lump monumentally. Like those wives who are adjuncts to their husbands, dressed to reflect success and desperately different from each other, buildings are here portrayed as if nothing mattered beyond skilful corsetry and expensive clothes. This is evidently no place for anyone concerned with the organisation and manipulation of space, the mechanisation of building and the expression of 20th-century technology. To crash the entrance barrier even the best must set such considerations aside and pretend that outwardness is all. As indeed it is in G. W. DIXON's Vertical Tandem Generator for Harwell, which successfully reduces a scientific wonder to a dreary cowpat-and-thistle arrangement of banal geometric podium and silo-like tower in a weary trafficated siting. Great art of all kinds, including architecture, has the power to produce a catharsis in the beholder and to stir him strangely. It must however do so in its own terms and cannot if it is transposed.



Drawn by Sir Howard Robertson

SOUTH BANK IMPRESSION :
Early study for Shell Headquarters. *Sir Howard Robertson, RA, Architect. (Diploma Work deposited on his election as an Academician)*

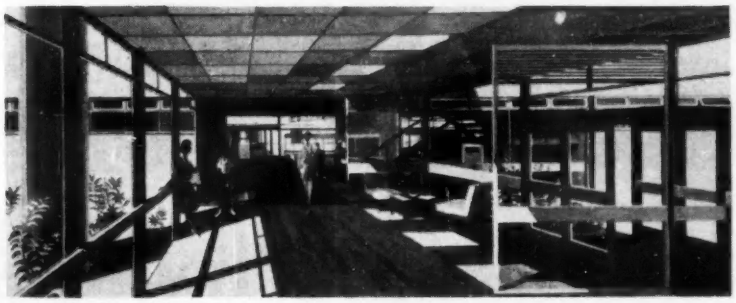
We are moved deeply by the Parthenon but not at all by a replica of it. The terms imposed by acceptable presentation upon what might in fact have power to move us at Burlington House leave us for the most part cold. Rarely something escapes as does the Speech Hall for Radley College by GOLLINS, MELVIN, WARD & PARTNERS, a thing of sheer delight, the quintessence of an idea, simple and satisfying as an egg, made possible only by sheer mastery of modern means and modern materials.

That otherwise which survives the customary treatment best is solid stuff without inner meaning—bridges, of which there are a number shown owing not a little to Robert Maillart, and that which is genuinely in the 'Reminiscent' style. Unfortunately reminiscence dims and grows distorted with time and LORD MOTTISTONE's new Choir School for St. Paul's is a sad, bad travesty of classical greatness, poor and mean in detail and proportion, fit only to please the Anti-'Anti-Uglies.' In the Universal Anties style also is SIR ALBERT RICHARDSON's Merchant Taylors' Hall and his Stone's Chop House, where business men of the right sort will certainly be found by astute architectural diners-out in search of fat commissions. Quite what DONALD MCMORRAN is trying to remember for Cripps Hall in the University of Nottingham is hard to say, but he has presented a very pretty drawing of his thought. Mr. GIBBERD has a bridge at the Tryweryn Reservoir which is a mite too pretty for such a setting, while the really exciting one at Kimbers Lane on the Maidenhead By-Pass by ARTHUR BAILEY blunts the edge of its engineering distinction with rather Belgian-type detailing.

'Good Miesian Stuff'

For the best of the remainder the visitor must have faith in his own interpretation. NORMAN and DAWBARN's Stafford College of Technology is good Miesian stuff, which tends (as in CLIFFORD TEE & GALE's Offices and Factory at Frimley Green) to be cosy and inoffensive. R. SHEPPARD, ROBSON & PARTNERS show a scheme for the University of Southampton School of Navigation which has a fine nautical line and impressive sturdy modelling with an effect which perhaps risks too much on the retention of colour. Development in Manchester for the Co-operative Insurance Society and the Co-operative Wholesale Society by GEORGE S. HAY, in association with SIR JOHN BURNET, TAIT & PARTNERS, is a promising free development of a large site dealt with comprehensively. The smaller building is beautifully conceived and modelled, but the larger one has a somewhat ugly treatment of a 26-storey tower. A right, tight little Entertainments Building for Eastbourne by WESTWOOD, SONS & PARTNERS is tensely modelled, attractively poised on its site and a worthy offspring of the Festival Hall. Massive schemes like ERNO GOLDFINGER's Elephant and Castle development and JELLICOE's Plymouth Civic Centre bate the breath, albeit about the former there is a terrifying air of Metropolis and in the latter a great surfeit of clerks. Neither, however, is so

dehumanised as the Tavistock Institute of Human Relations by ARTHUR KENYON, TAUTE & PARTNERS, a massive podium and tower arrangement with the new fashionable hollow-sided, three-winged plan productive of irrationally-shaped rooms, ensconcing penitential light wells in the base and put totally out of scale by an overall drape of Mr. Stone's veiling. It is a pity, incidentally, that the piazza of the Plymouth scheme is so bedevilled: pattern and texture run riot in a space-destroying way, odd from someone who knows his St. Marks and his King's College lawn. The best tower block is DENNIS LENNON and W. D'ARCY CATHCART's Livingstone House, Salisbury, which uses screens purposefully and evidently reacts to the needs of climate.



Drawn by Peter Sainsbury

PROPOSED LONGFIELD SECONDARY (MIXED) SCHOOL, KENT
Elie Mayorcas, Architect

This building knows when to speak and when to keep silent, is dramatic without stridency and altogether good. Good also in a much more modest way is ARCHITECTS CO-PARTNERSHIP's scheme for Undergraduate Rooms at King's College, Cambridge. This is an extremely neat essay in *Style Brut*, a piece of street architecture on a small scale that has strong and virile shapes of good proportion altogether in harmony with the town yet distinctively of today. It maintains perfectly that most important street characteristic of Cambridge, the narrow-fronted, tall unit derived presumably from close jostled medieval grouping.

Back to Towers

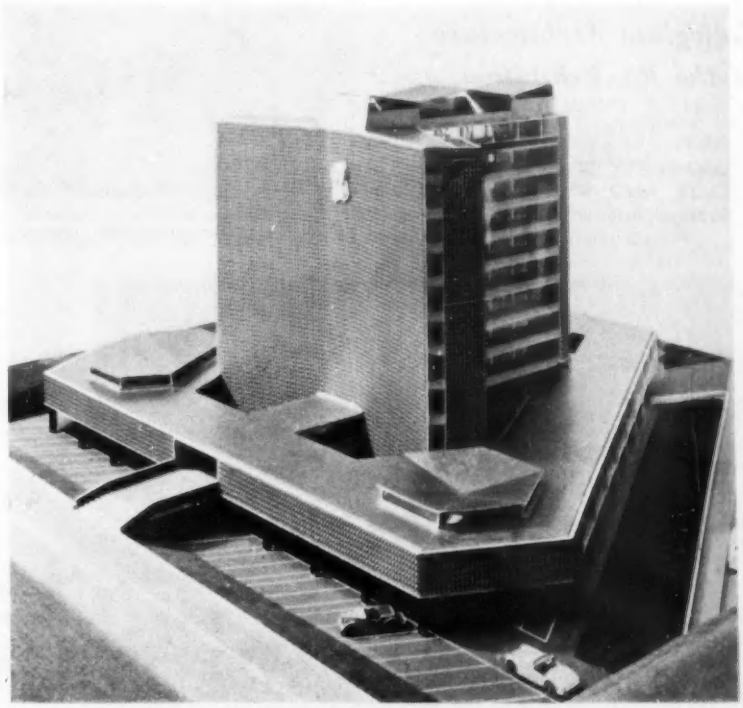
Back to towers, perhaps one of the most interesting exhibits is a sketch by SIR HOWARD ROBERTSON for the Shell Building, very slight but all too clearly revealing the fundamental dumpiness of the conception. Odd also is the same hand's design for a further extension of the Printing Works at Debden, equally irresolute and strangely mannered. Mannerism makes strange work also of a project by SIR WILLIAM HOLFORD for a bank at Maidstone, ponderous as a monumental mason's tomb, unwisely attempting local allusions in flint and stone, and bifurcated in its modelling.

Mannered in a totally inexplicable way is the work of SIR HUGH CASSON and NEVILLE CONDER, here represented by projects at Nottingham and Cambridge. Windows bob and jump about, are grouped and framed in heavy cowlings, start rhythms which break off jerkily and are set into wall areas which seem by their oddity of shape and colour to aim at chance and accident rather than design. Their project for the Zoo, shown only by a model to small scale, offers better scope for the application of their method.

Other knightly deeds are performed this year by SIR HUBERT WORTHINGTON whose Hall for the Worshipful Company of Brewers has the same peculiarities and looks not much different from his New College Library of twenty years ago; by SIR EDWARD MAUFE who has turned over his old Swedish notebooks for the detail of a Chapel and Hall at Malsis School in Yorkshire; by SIR LANCELOT KEAY whose Avondale Square Housing for the City Corporation with gigantic tower blocks is probably right for density but gaunt and bony in character; and by SIR THOMAS BENNETT repeating at Nos. 87-92 Albert Embankment what he has done already further along; what this firm offers today is generally worth seeing again.

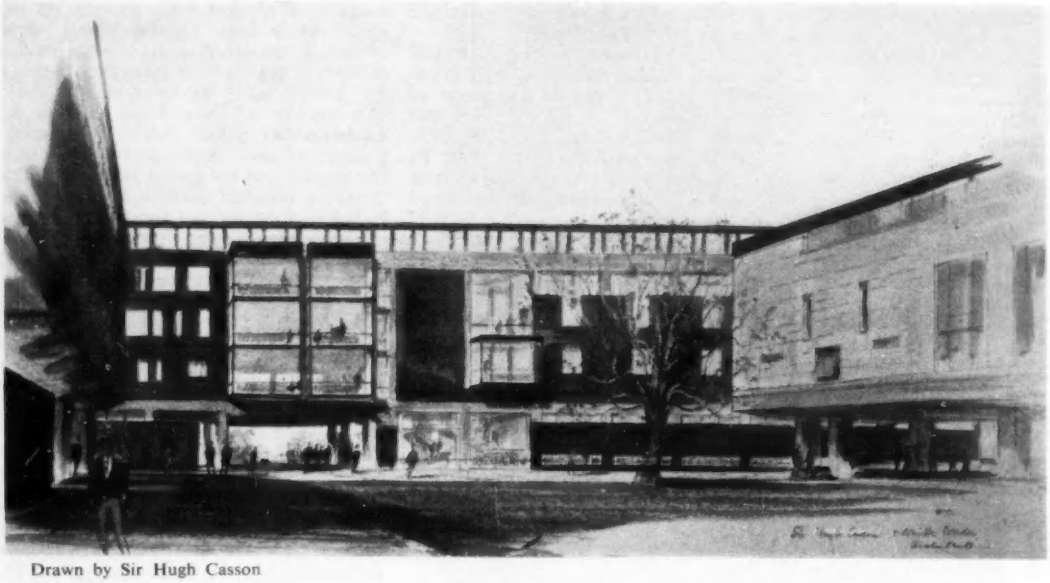
MR. CAMPBELL-JONES offers us a further glimpse into that terrifying world being creating for Moloch in EC4, a sponge-like creation of window walls to soak up the daily flood from Cannon-street, while Messrs. TRIPE AND WAKEHAM, in the service of Hymen and the War Office, put forward an arrangement of Married Soldiers' Quarters in Chelsea large enough to guarantee an ample supply of cannon-fodder for many years to come. Food here for thought and for LEWIS MUMFORD, who might be expected to have a quaint New England word for the social lunacy here explicit. Perhaps also he would be moved to comment on the new feudalism hinted at in the Office Block near Middlesbrough by FREDERICK GIBBERD. Here a vast lowering palace rears up against a landscape setting, its roof-line modelled in Vanbrugh fashion with pent-houses. Tom Hancock, who made the drawing, conveys the mood extremely well. His work is a refreshing change from the usual and crops up again in a collectors' piece, No. 1353, the curiously named 'Town' Houses in the garden of Priory Castle, Wallingford, by LUPTON & MORETON. Another newcomer to the world of architectural perspective is PAUL BUCKHURST, one of the few exhibitors to put over his own work. His scheme for a Factory, which won a place in the Cement Marketing Co. Competition, shines like a good deed in a naughty world.

Connoisseurs of the peculiar may be recommended to the Gibraltar International Club Casino perched on an outcrop of rock with access to a beach by lift. One is reminded of Huxley's 'These Barren Leaves' and the pneumatic delights of a similar arrangement. This building is by Messrs. TRIPE & WAKEHAM who, as a relief from love's labour in Chelsea, have here garnished their elevation with a Ronchamp mad pattern of windows



Model by A. Kenyon, Taute & Partners

THE TAVISTOCK INSTITUTE OF HUMAN RELATIONS, LONDON, NW3
Arthur Kenyon, Taute & Partners, Architects



Drawn by Sir Hugh Casson

Above :

UNIVERSITY OF CAMBRIDGE : PROPOSED BUILDING FOR THE FACULTY OF ECONOMICS AND POLITICS

Sir Hugh Casson and Neville Conder, Architects

Right :

KING'S COLLEGE, CAMBRIDGE : PROPOSED UNDERGRADUATE ROOMS OVER NEW PREMISES FOR MIDLAND BANK, LTD., IN MARKET HILL

Architects' Co-Partnership, Architects

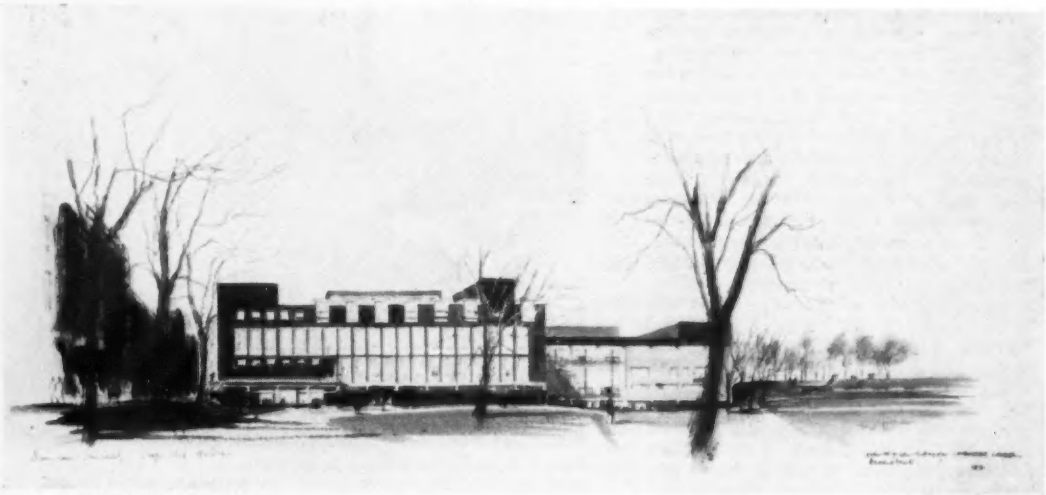
Collegiate Architecture at the RA Exhibition, 1959

Below :

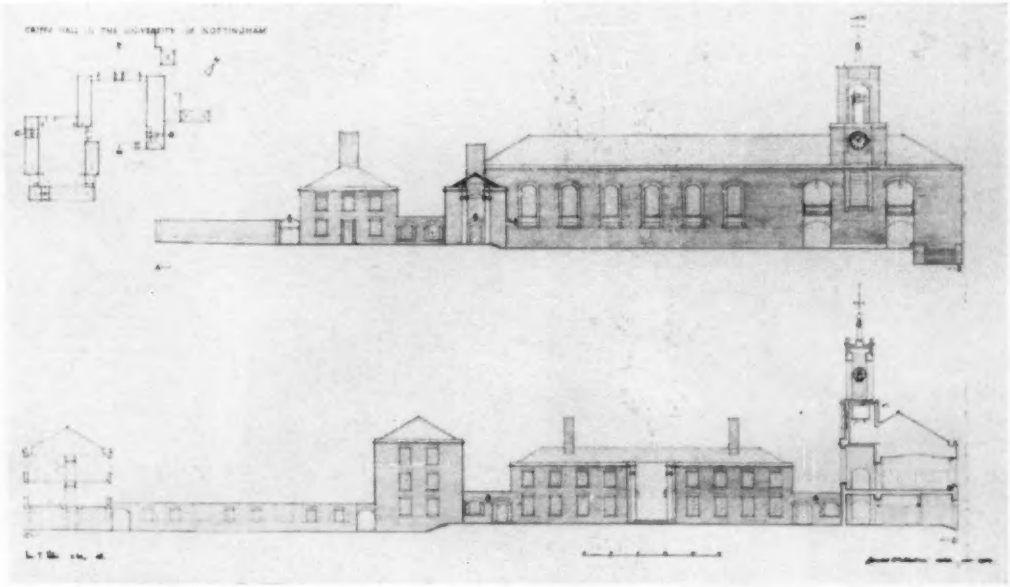
UNIVERSITY OF BIRMINGHAM : STAFF CLUB AND REFECTORY BUILDINGS

Sir Hugh Casson and Neville Conder, Architects

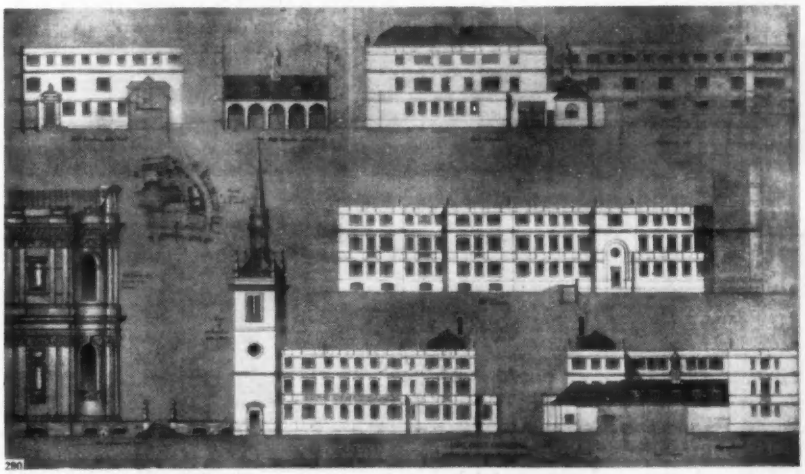
Drawn by Derek D'Arcy



Drawn by Sir Hugh Casson



Drawn by Ian T. Waters



Drawn by Lord Mottistone

Above :

CRIPPS HALL
IN THE UNIVERSITY
OF NOTTINGHAM
Donald H. McMorran, ARA, Architect

Left :

ST. PAUL'S CATHEDRAL :
DESIGN FOR
THE NEW CHOIR SCHOOL
Lord Mottistone, Architect

Below :

UNIVERSITY OF LONDON :
THE INTERNATIONAL HALL
OF RESIDENCE, BRUNSWICK
SQUARE, W.C.1
Easton and Robertson, Architects

Collegiate Architecture at the RA Exhibition, 1959

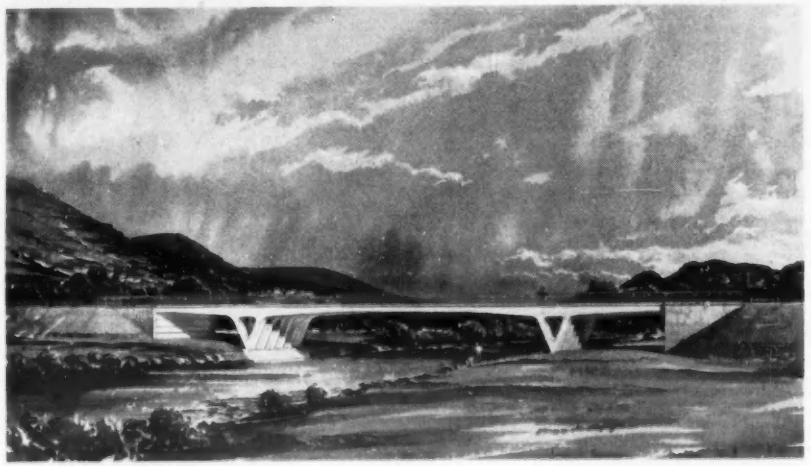
extruded in frames which produce a horribly squid-like effect. Those who want merely a laugh followed by a good cry may pause a moment at the dreadful fate which has overtaken the followers of General Booth.

Models, it should be noted, are even better this year : imitation is out and metal roofs are made of metal in best expense account style. To afflict us also there is the new fashionable super-duper perspex cover guaranteed to make it difficult to see. There must surely be some medieval category of sin into which fall those who love their models more than the critics' understanding of them.

Drawn by Lawrence Wright

Drawn by Frank Weemys
TRUNK ROAD A645 : BRIDGE NEAR MERTHYR TYDFIL
T. Alwyn Lloyd & Gordon, Architects. Rendel, Palmer & Tritton, Consulting Engineers

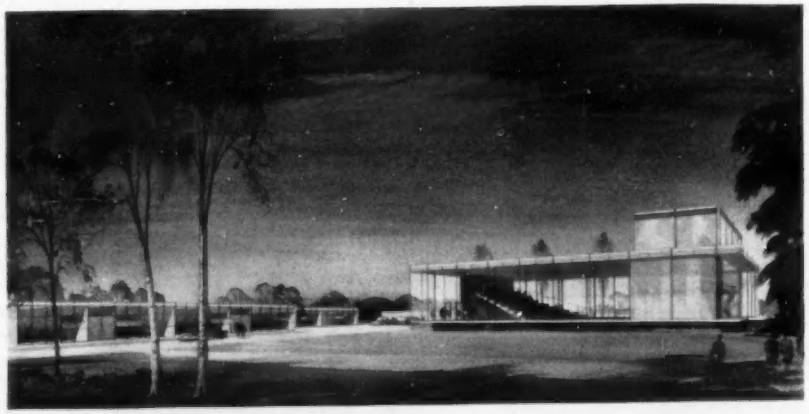
Drawn by J. D. M. Harvey
MAIDENHEAD BY-PASS : FOOTBRIDGE AT KIMBERS LANE
Arthur Bailey, Architect



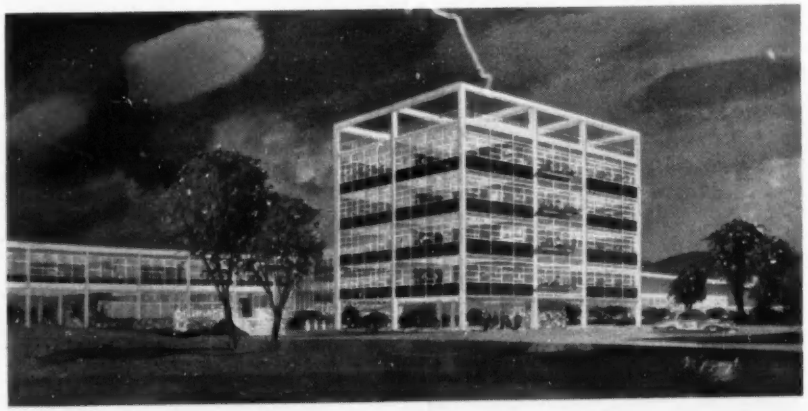
Drawn by Frank Weemys
NEW ROAD-BRIDGE OVER RIVER USK, ABERGAVENNY
T. Alwyn Lloyd & Gordon, Architects. Rendel, Palmer & Tritton, Consulting Engineers

Drawn by Frank Weemys
ST. NEOT'S BRIDGE
Frederick Gibberd, Architect

Bridges at the RA Exhibition, 1959



Drawn by E. J. Thring
RADLEY COLLEGE: NEW SPEECH HALL
Gollins, Melvin, Ward & Partners in association with Merriman and Knapp-Fisher

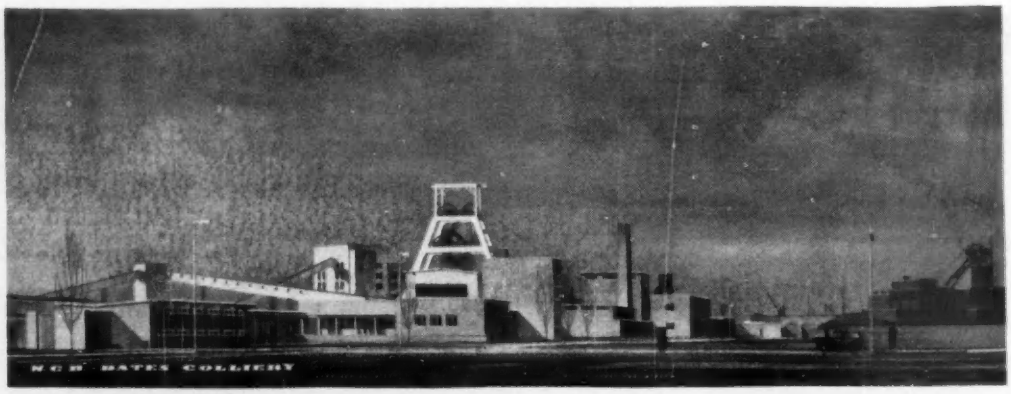


Drawn by R. Myerscough-Walker
DENNY HIGH SCHOOL, STIRLINGSHIRE
Alison and Hutchison & Partners, Architects

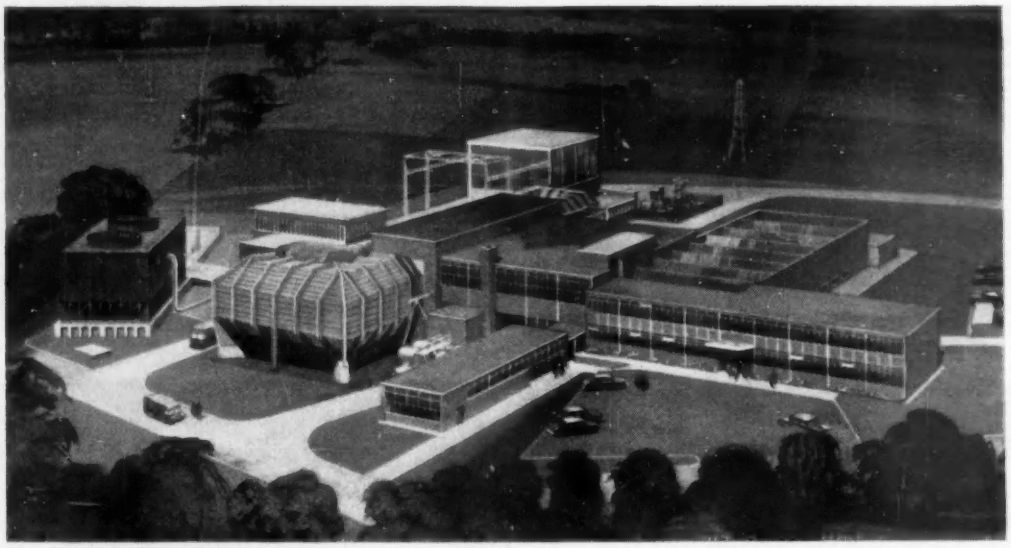
Drawn by Alan J. Middleton
UNIVERSITY OF SOUTHAMPTON SCHOOL OF NAVIGATION, WARSASH
R. Sheppard, Robson & Partners, Architects

Drawn by Roy Latham
STAFFORD COLLEGE OF TECHNOLOGY
Norman and Dawbarn, Architects

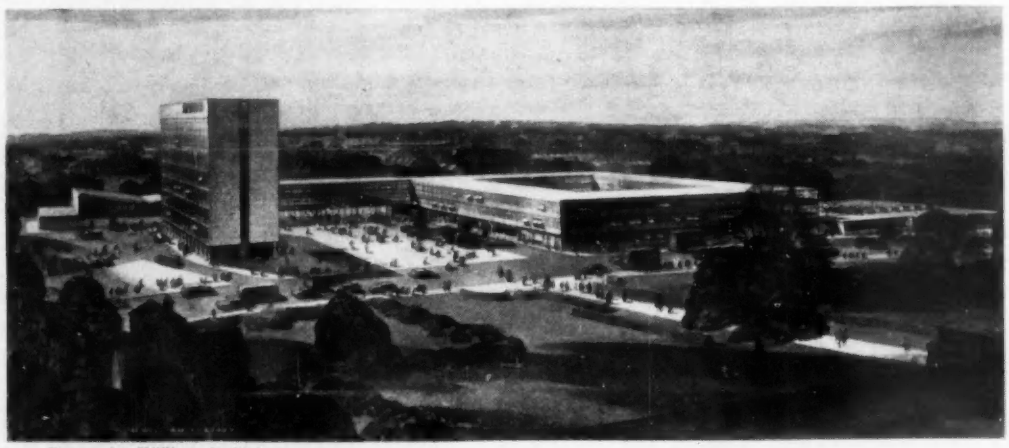
Collegiate and School Architecture at the RA Exhibition, 1959



Drawn by D. R. Wilson
NATIONAL COAL BOARD: BATES COLLIERY, BLYTH
L. K. Watson and H. J. Coates, Architects

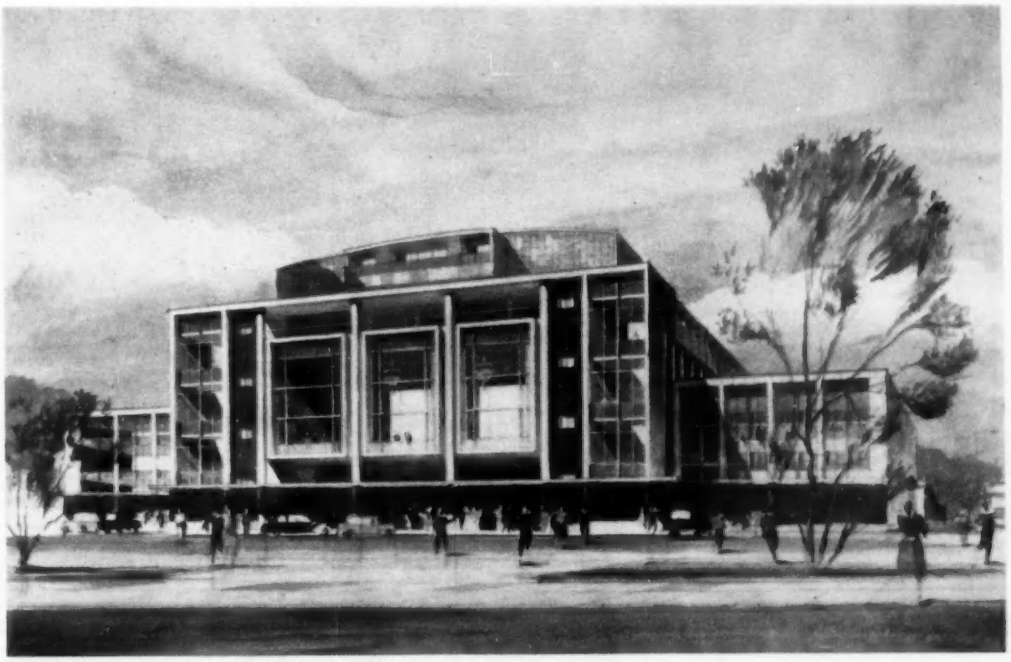


Drawn by E. J. Thring
AIRCRAFT RESEARCH ASSOCIATION, LTD., TRANSONIC WIND-TUNNEL, BEDFORD
Ley, Colbeck & Partners, Architects

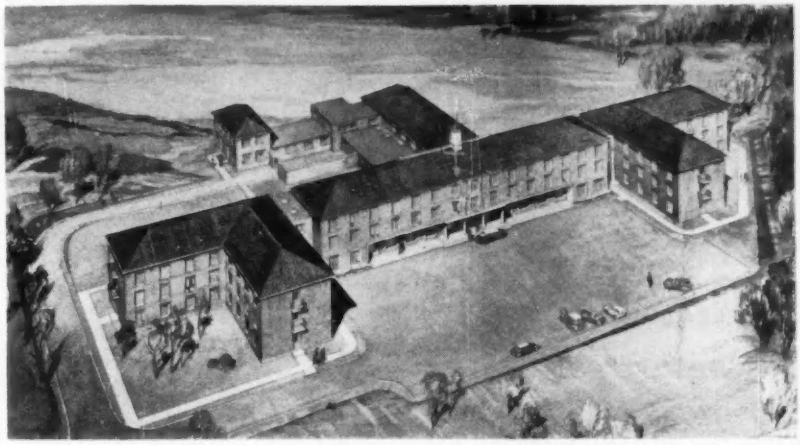


Drawn by William Suddaby
PROJECT FOR ACCOUNTANT GENERAL, GPO, AT CHESTERFIELD
John W. Parr, Architect

Industrial Architecture at the RA Exhibition, 1959



Drawn by D. H. Beaty-Pownall

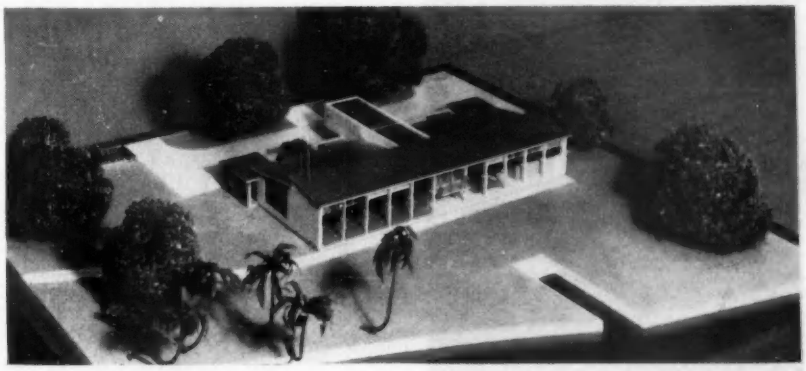


Drawn by J. D. M. Harvey

Above :
NEW PUBLIC HALLS FOR THE COUNTY BOROUGH OF CROYDON
Robert Atkinson and Partners, Architects

Left :
ROYAL AIR FORCE STATION, KINLOSS: OFFICERS' MESS AND QUARTERS
Oliver Law, Architect

Below :
HIGH COMMISSIONER'S RESIDENCE, LAGOS, NIGERIA
Lionel Brett, Architect



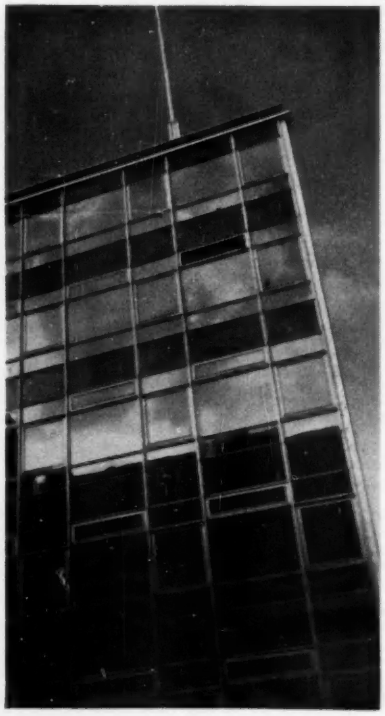
Model by McCutchon Studio

Architecture at the RA Exhibition, 1959

SITE PLAN

right : *A general view from the junction of York-street and Fountain-street*

below : *A detail of the curtain wall treatment on the Fountain-street facade*



OFFICES in York-street, Manchester for the Automobile Association

Architects : STEPHENSON, YOUNG & Partners
COLIN WILSON, ARIBA, Assistant in Charge

Quantity Surveyors : TODD & LEDSON

General Contractors: J. GERRARD & Sons, Ltd.

THIS new building replaces one which was demolished to make way for this particular development. The design was governed by three main planning requirements : a set back of 30 ft. to be applied on Fountain-street, the total height of the building from the back of the pavement to the roof line had to be restricted to 60 ft., and car parking facilities had to be provided on a site that was already almost unmanageably small.

The site, which is not rectangular, occupies a valuable position in the business centre. In order to exploit its important position, the architects had to provide the

Offices in York-street, Manchester

maximum office floor area. To help to achieve this, an *in situ* concrete frame with plate floors was used, so that by the elimination of normal beams, the only vertical structural waste would be the 8 in. thick floor slabs.

The reinforced concrete frame was stiffened by a concrete 'scissor' type of staircase in the centre of the building. This type of staircase also enabled a secondary means of escape to be fitted into much the same space as that normally occupied by a traditional flight.

In order to provide good daylighting to the office spaces, it was decided that the external cladding of the building should have as much insulated glass area as possible. All the external glazing, with the exception of the two large ground floor windows, is double glazed in a curtain wall which hangs around the structural frame.

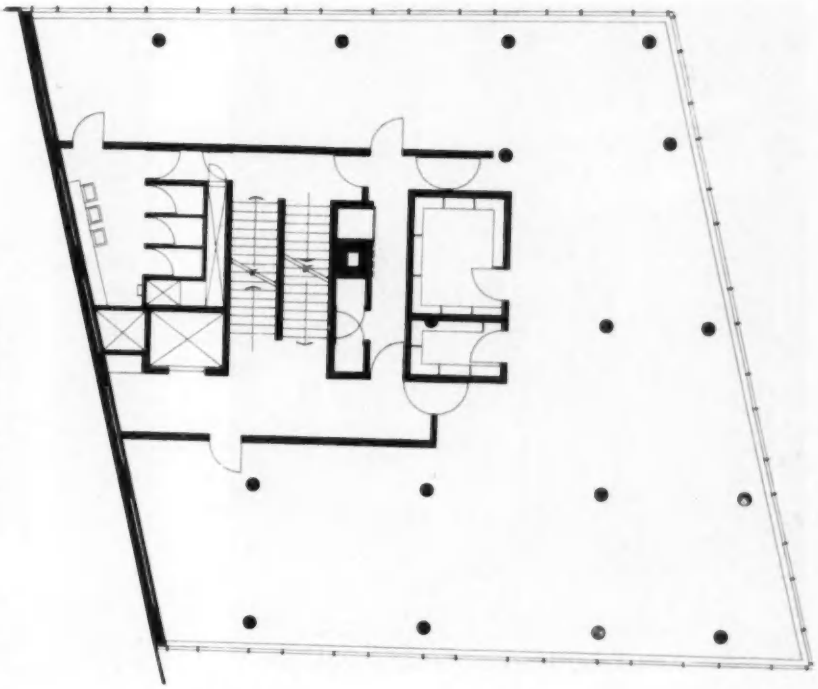
The building contains a radio mast and a large amount of complicated radio equipment which the Automobile Association uses throughout the whole day.

Car parking is provided in the basement with a vehicular lift access from a near roadway. The basement also includes the boiler house, a sub-station, and fuel oil storage for the heating.

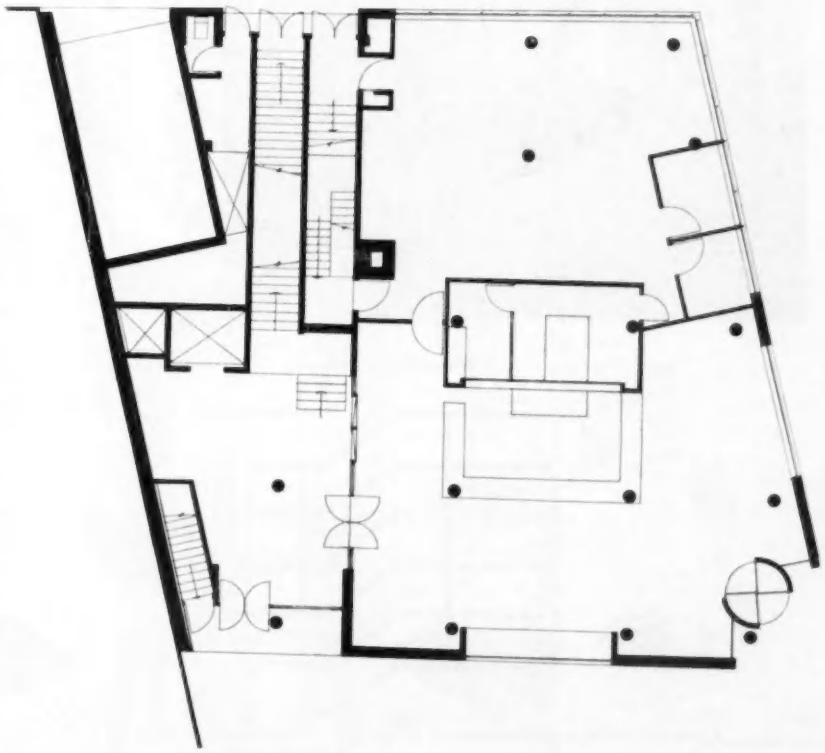
The ground floor contains an entrance hall for the upper offices, and it is from this hall that the passenger lift and one of the scissor staircases lead. The main space is devoted to a public reception room with a corner revolving door, an information counter, radio weather maps, and a radio room behind a large glass panel. Administrative offices are situated behind the radio room and at the back of the building the exit from the second flight of the scissor stairs. This leads on to the near roadway on the opposite side of the building to the entrance hall.

The three upper floors all contain Automobile Association offices with store rooms, canteen, cloak and rest rooms, etc. The top two floors are to be occupied by The Mobil Oil Co., Ltd., and they have similar accommodation.

The roof contains the usual tank rooms and the passenger lift motor room. The flat roof has a protective rail set back from the edge of the roof. There is a flagstaff and a 60 ft. radio mast.

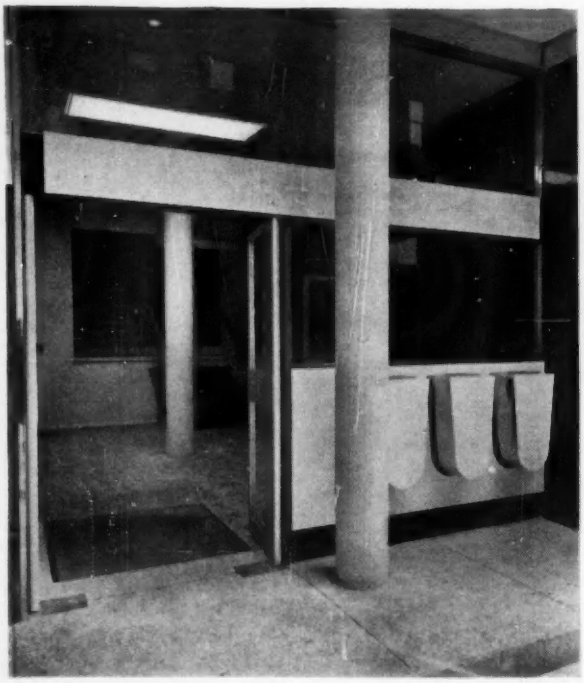


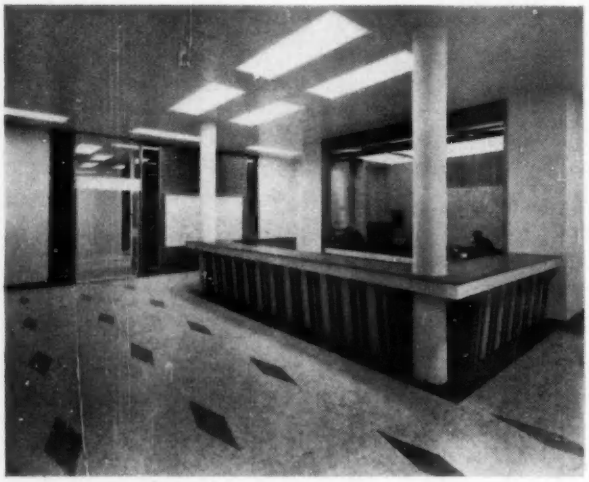
UPPER FLOOR PLAN



GROUND FLOOR PLAN

Scale: 1 in. = 16 ft.



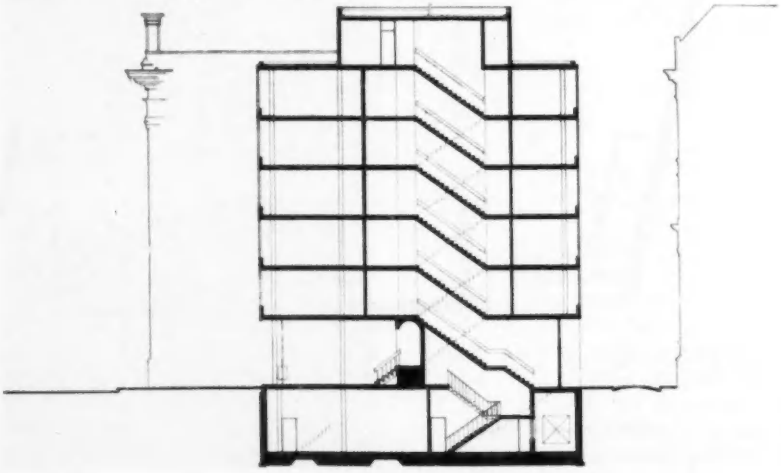


above left : *The office entrance from Fountain-street leading to one section of the scissor staircase*

above : *The revolving door of the main entrance at the corner of Fountain- and York-streets. The carving and gilding was carried out by Mr. Herbert Tyson Smith*

left : *The information counter in the ground floor public reception room. The radio room is behind the glass panel at the rear of the counter*

SECTION THROUGH STAIRCASE
Scale: 1 in. = 32 ft.



Sub-contractors and Suppliers :

Demolition contractors, Contractors (Manchester), Ltd. ; *structural steel design and supply*, Truscon, Ltd. ; *curtain walling*, Holoplast, Ltd. ; *heating (Burgess Sultzer)*, David Peters (Heating Engineers), Ltd. ; *ceilings*, Stilsound Acoustics, Ltd. ; *electrical installation*, Winstanley & Lambert, Ltd. ; *plumbing installation*, The Merseyside Plumbing Co., Ltd. ; *sanitary fittings*, Rowe Bros. & Co., Ltd. ; *lifts (both car and passenger)*, Evans Lifts, Ltd. ; *terrazzo and tiling*, J. & H. Patteson, Ltd. ; *flooring*, Rowan & Boden, Ltd. ; *glazing*, Pilkington Bros., Ltd., Hills, Ltd. ; *specialist joinery and fittings*, Griffiths & Jones ; *ironmongery*, Quiggin Bros. ; *'Glass-rock' wall finish to part of entrance, and roof buildings*, Montague L. Meyer, Ltd. ; *internal office partitions*, Chatwood Milner, Ltd., Norwood Steel Equipment, Ltd. ; *granite walling*, J. F. Shackleton & Co., Ltd.

Offices in York-street, Manchester, for the Automobile Association

LONDON MASTER BUILDERS' ASSOCIATION

Luncheon to Lord Mayor

WELCOMING the Lord Mayor at the LMBA luncheon at the Savoy Hotel, London, last week, the President, MR. K. J. PEARCE, said: 'We meet my Lord Mayor, on a famous day in the traditional English calendar—May Day—a day surely on which to rejoice and be glad. For the winter of our discontents is over. Summer is on its way. And, in our particular case, fortified by recent announcements by the Chancellor of the Exchequer, we are looking forward to busy times ahead.

'Since 1940,' Mr. Pearce continued, 'we have had specially close relations with the Lord Mayor, first in shoring up his damaged City; secondly in rebuilding its shattered fabric. The first we took in our stride; the second, an enormous task, is still in progress.

'When I came into office as president, I determined that I would survey the City from the top of the Monument. What contrasts there are! The old buildings and familiar landmarks, dating back to the Middle Ages, in their blacks and greys; the new, still fresh in their gay colours and with their roof gardens showing new spring grass and bright with flowers.'

All around there were signs of great activity in the world of building; office blocks, warehouses and flats were reaching up to the sky; giant cranes swung their vital loads to keep the craftsmen supplied, those craftsmen who, like their predecessors in the old City Guilds, took such a pride in their work. He acknowledged the part which they played with the LMBA in such happy relationship.

'You have already spent, my Lord Mayor,' Mr. Pearce added, 'well over £65m. in rebuilding your City. You have allocated, I believe, another £30m. to the next step forward. But the black gash of Cannon Street Station, prominent in the foreground, reminds us of the many other blank spaces in the City still remaining to be filled.'

Builders' 'Great Work'

In his response the Lord Mayor, ALD. SIR HAROLD GILLETT, said that no one realised more than he the great work that the London builders had done in restoring the City of London, and he believed it could now be said, in May, 1959, that the old City had returned in spirit to the city of pre-war days, but it was of course much more modern in its architecture. It was a great achievement for the builders to have combined with their architect friends in rebuilding this great modern city which formed the Metropolis of the Commonwealth. He was an optimist, and believed that the City of London would occupy an even greater position in the world in the future than it had done in the past.

The work of the builders in the City would therefore be of great advantage in the future, but unfortunately the work proceeded too slowly. Whose fault this was he did not know, but he would like to lock up all of them responsible for building—builders, architects and planners—in one of the big hotels until they had sorted things out! It was a long time since the war had finished, and in his opinion they ought to have got more rebuilding done in the meantime. Visitors to this country last year spent £100m., and they wanted, he suggested, to see something for their money other than open spaces.

Continuing, the Lord Mayor said that he was glad to learn of the interest in the City shown by the LMBA through the work of the Guilds connected with building to assist in encouraging craftsmanship. He himself believed that the British craftsman had no equal, and it was essential to retain the skill of our craftsmen if we were to compete in the export market. For him, at any rate, 'British is best.'

The MAYOR OF WESTMINSTER thanked the Lord Mayor for attending the luncheon.

Among those present were:

Lord Ashcombe, Sir Alfred Bossom, Sir Harold Emmerson, Sir George Burt, Sir Keith Joseph, Sir Frederick Minter, Sir Edward Muir, and Messrs. R. J. Allerton, H. Atkinson, F. W. Beazley, M. W. Bennitt, J. L. Bradshaw, P. W. Burnett, L. H. Colls, E. J. Cook, H. J. Falkus, A. J. Filer, J. S. Galbraith, Paul Gilbert, D. Clarke Hall, Nigel Hannen, D. McCowan Hill, Gerald Hill, L. J. Holloway, E. L. Jones, J. M. Laing, W. K. Laing, N. C. Macnamara, A. R. Mais, D. A. G. Reid, Sydney Tatchell, P. E. Trench, L. A. Walden, N. E. Wates, R. S. Williams.

Some members and guests at the LMBA Luncheon to the Lord Mayor, as seen by Harry Riley

News of the Week

AA and College of Building

A STATEMENT issued by the President of the Architectural Association indicates that the negotiations which had been under discussion with the Ministry of Education since 1956 in regard to the establishment of a College of Building at the AA have broken down. A special AA council meeting on April 10 agreed in principle an integrated training for the profession but stipulated that negotiations should not be continued if association with the London County Council was involved. The statement adds: 'Before the AA could formally enter such a project it would be necessary for a minimum of two-thirds majority to be obtained in a postal ballot of members, and it was apparent from the views of the Advisory Council and the Council that an adequate majority was extremely unlikely. As the Ministry states that there are no alternative methods of financing such a College, it was clear that any further negotiations would be a waste of time.'

In spite of this the AA Council still hopes to make integrated training a part of its policy, and an informal meeting will be held at the AA on May 25 at 6.30 p.m. to discuss ways and means.

Abingdon Residential Scheme

ABINGDON BC have appointed Messrs. Booth, Ledeboer and Pinckheard as architects to carry out redevelopment of a 2½ acre site adjoining St. Helen's Parish Church, Abingdon. The site, which fronts on to West St. Helen-street, will be developed for residential use, with higher income group flats and houses. The scheme will also include a number of old people's flats.

Architecture Club Dinner

THE ARCHITECTURE CLUB are to hold a dinner in honour of Professor Ludwig Mies van der Rohe, on the occasion of his visit to receive the Royal Gold Medal for Architecture. It will be held, by kind permission of the Fishmongers Company, in the Fishmongers Hall, London Bridge, EC4, on Thursday, May 28, at 7.30 p.m.

Bangor University

DETAILS are announced of the £1m. five-year building programme of the University College of North Wales, Bangor. Work in hand consists of an extension to the Women's Hall of Residence (estimated cost, £120,000) and a new Electronic Engineering Building (£100,000).

Work approved for 1960 consists of extensions to Library (£185,000); Physics Building (£100,000); and Marine Biology Station (£35,000). A new Refectory is planned for 1961 (£125,000), and in 1962 the Chemistry Building will be extended (£100,000) and animal houses built for the Agricultural Chemistry department (£45,000). Looking further ahead, a new Men's Hall of Residence (£200,000) is planned for 1963, and in 1964 the Women's Hall of Residence is to be extended (£60,000). The figures of costs are only estimates and not firm prices.

The following architects have been appointed: Electronic Engineering Building, Messrs. Colwyn Foulkes and Sons, of Colwyn Bay; Men's Hall of Residence, Mr. D. W. Roberts, FRIBA, of Cambridge; while the architects for all other projects are Sir Percy Thomas and Son, of Cardiff.

Materials Exhibition, Edinburgh

DR. N. C. SIDWELL, MSc, Head of the Department of Building, Heriot-Watt College, Edinburgh, is planning a permanent building materials exhibition within the College and would be grateful if manufacturers of building materials could send all types of samples or cutaway sections.

NFBTE Representative

MR. N. STANLEY FARROW, MBE, FIOB, a director of Howard Farrow, Ltd., arrived in Australia on May 1 to attend the Australian Institute of Builders' 'Better Construction Seminar' as representative of the NFBTE.

RIBA

Sparsely Attended AGM Discuss Education and Finance

FEWER than 150 members were present on Tuesday night at the RIBA when Mr. Basil Spence, OBE, ARA, President, presided over the annual general meeting. He was supported on the platform by Mr. E. D. Jefferiss Mathews, hon. Treasurer, and Mr. Richard Sheppard, hon. Secretary. In attendance were the Secretary, Mr C. D. Spragg, and the Secretary-elect, Mr. Gordon Ricketts, who was formally introduced to the meeting.

The HON. SECRETARY having proposed that the annual report be received, both report and accounts were open for discussion. There was remarkably little said on the major issues that have been before the council. MR. D. MCMORRAN asked two questions: first, in that the board of Architectural Education was considering some second category of intake into the profession, was this at the Council's direction? The answer given by MR. BEATY-POWNALL was 'Yes.' MR. BEATY-POWNALL answered a second question by saying that the composite or 'sandwich' course organised by the Manchester Regional College of Art School of Architecture was not qualified for recognition, but had reached the stage of being open for inspection, which was a necessary preliminary. The normal period for recognition, he said, was about seven years. On the subject of a two-tiered profession, A SPEAKER from the hall said that such an idea would not be accepted by a considerable body of the profession.

On the report of the Public Relations Committee, the new format of the Report received what can only be described as lukewarm support; MR. L. K. WATSON received an assurance that the sizes of publications now determined would be retained. MR. C. BOND pressed for the appointment of a Press Officer to publicise architecture in the daily Press. MR. LIONEL BRETT (chairman of committee) thought the profession was getting a better Press but agreed that a Press Officer was needed. 'The difficulty,' he said, 'is to get the right man.' Several speakers thought more could be done for visual education through schools and teachers' training colleges. The latter, according to MR. ALLPORT WILLIAMS, were a dead loss, but something could be done by day conferences or lectures to sixth formers, a point with which others agreed.

MR. A. G. LING was horrified that there were still 38 important County Boroughs which still had no chief architect; he thought that the first step was to get architects into the Engineers' and Surveyors' departments, and then to press for their establishment as chief officers.

The reports of the Constitutional, Competitions, Practice and *ad hoc* committees, among others, passed without comment of any kind, but on Finance, MR. GEORGE WHITBY drew attention to the estimates of shortfall on the Premises account which, he said, had varied at different times between £100,000 and £73,000, but now seemed to have settled at £91,000. MR. MATHEWS said that this was so, and that the Council had raised by one means or another £21,000, which, with the £70,000 loan that had been obtained, meant that the whole of the work on No. 68 and extensions to No. 66 would have been paid for. MR. WHITBY then initiated a discussion on the propriety of raising, as he said, the bulk of the £21,000 from an increase in examination fees. The Institute, he said, by doing so were setting a premium on membership of the RIBA and, more than that, on entry to the profession, since the RIBA examinations or those conducted by the approved schools were the only means of an architect being able to practise. 'Should Parliament learn about this,' said Mr. Whitby, 'it could be a very serious thing. We should immediately reduce our fees for examinations, so that it may not be said of us that we are making money out of a monopoly.' Support for this, in various forms, came from several speakers. MR. MATHEWS put the Council's case, which was that the cost of examinations (shown in the accounts as £5,831) and the income (shown as £25,394) did not represent a true picture, in that certain overheads were not taken into account. In any case, he felt that the privilege of joining the RIBA was something which an examinee should be prepared to pay for. THE PRESIDENT supported this view, and after MR. EVERARD HAYNES, Secretary to the Board, had made clear that there was no compulsion on a student to pay fees to the RIBA but could join the Register on payment of a guinea to ARCUK, the matter was allowed to drop, THE PRESIDENT stating that the Council had the matter under constant review.

MR. WHITBY, acknowledging the courtesy with which his comments had been received, then asked the Constitutional Committee to consider, when drafting new by-laws, to have in mind the creation of a new class of Life membership to which members of long standing could be elected on payment of a nominal subscription. The meeting then closed.

PROFESSIONAL ANNOUNCEMENTS

MESSRS. MORGAN & CO., civil, industrial and management consulting engineers, have appointed MR. H. W. DOWE, AMIStructE, as chief engineer of their Leeds civil and structural consulting office, opened recently at 31A-33 Yorkpla., Leeds, 1.

MR. A. V. BOND, AMIStructE, and MR. D. F. PELLE, FRICS, Senior Executive Assistants in the Department of the Architect, London Transport have been promoted to Principal Executive Assistants as from May 1. Mr. Bond will be responsible to the Architect for all special construction arising in the work of the Department. Mr. Pelle will be responsible to the Architect for the Quantity Surveying Section and for all administrative matters of a financial character within the Department.

MR. HARRY FINLAY, ARICS, is now in practice on his own account as a chartered quantity surveyor at 12-15 Great Turnstile, Lincoln's Inn Fields, London, WC1 (tel.: Chancery 4888).

MR. CYRIL BLUMFIELD has taken into partnership MR. DEREK LAMBERT and MR. ALBERT WITCHLOW, and the practice will be carried on in the name of MESSRS. CYRIL BLUMFIELD AND PARTNERS, civil and structural consulting engineers, at 82 Victoria-st., London, and 32 Corkran-rd., Surbiton, Surrey.

ARCHITECTS' FEES FOR SMALL PRIVATE HOUSES

Reduced Scale for Limited Services Agreed by RIBA Council

Following representations by the Federation of Registered House Builders on the desirability of reduced architects' fees for limited services in connection with the design of small houses, the RIBA Council has agreed the following scales of fees for the special circumstances set out in the statement below, which is now issued for publication.

IN July, 1957, the RIBA Council approved an interpretation of the RIBA Scale of Professional Charges which might apply in cases where architects were asked to perform limited services in connection with the design of small private houses. The approved scale for this purpose was aimed at meeting two different types of case: (i) where such limited architectural services were required by individual owners of private houses; and (ii) where limited architectural services were required by builders for small private housing development.

The Federation of Registered House Builders, having represented to the RIBA that builders may wish to make use of a more extended architectural service than was contemplated in the second part of the scale approved in 1957, the RIBA Council in January, 1959, approved the scales set out below. The Council in approving these scales wishes to emphasise that the services offered are of a limited nature only and cannot be regarded as a substitute for full architectural services.

The scales (except in Paragraph A1) are based on the freehold selling price to the public of the houses as being the most convenient method, and the percentages mentioned are adjusted to be an interpretation of the normal RIBA Scale to meet the type of service set out therein, taking into account the element of repetition.

The scales contemplate several different degrees of service, any one of which may be sought by a builder. The first of such degrees (set out in Paragraph A1) embraces those services already provided in respect of repetitive work under the 1957 arrangement and provides for fees at the existing rate; the other degrees are progressions from that stage.

The final degree covers full architectural services under the RIBA Scale of Professional Charges, apart from supervision. Full supervision and other additional architectural services which the builder might require would attract further fees as set out in Paragraph D.

A. Minimum Special Services.

1. *Fees for small private enterprise houses not exceeding 1,000 sq. ft. in area, excluding outbuildings (the 1957 scale).*—For preparing ⅛ in. scale type plans and 1/500th scale layout, together with drawings and particulars sufficient to enable application to be made for Town Planning, By-law and/or Building Act approvals:—

Fee for each house type design ...	£45
Royalty per house for repeats of type designs	£8
Layout fee per house	£2

2. *Fees for private enterprise houses exceeding 1,000 sq. ft. in area.*—For preparing ⅛ in. or ¼ in. scale type plans and 1/500th scale layout, together with drawings and particulars sufficient to enable application to be made for Town Planning, By-law and/or Building Act approvals:—

Fee for each house type design.	2.0 per cent of selling price of one such house.
Combined fee per house in respect of layout and of royalty for each use of a house type design.	0.4 per cent of selling price of each such house sold.

B. Limited Special Service for Private Enterprise Houses (All sizes).

For preparing ⅛ in. or ¼ in. scale working drawings, 1/500th scale layout and ½ in. or 1 in. scale details of each house type, together with drawings and particulars sufficient to enable application to be made for Town Planning, By-law and/or Building Act approvals:—

Fee for each house type design.	3.0 per cent of selling price of one such house.
Combined fee per house in respect of layout and of royalty for each use of a house type design.	0.5 per cent of selling price of each such house sold.

C. Extended Special Service for Private Enterprise Houses (All sizes).

For preparing ⅛ in. or ¼ in. scale working drawings 1/500th scale layout, ½ in. or 1 in. details of each house type, and full working drawings, including street elevations, screen walls, etc., together with drawings and particulars sufficient to enable application to be made for Town Planning, By-law and/or Building Act approvals:—

Fee for each house type design.	4.0 per cent of selling price of one such house.
Combined fee per house in respect of layout and of royalty for each use of a house type design.	0.8 per cent of selling price of each such house sold.

D. Optional Services extra to those set out above.

The following services if required to be performed by the architect in addition to the services set out above will be the subject of additional fees as follows:—

(a) Design of and preparation of working drawings for roads.	0.15 per cent of selling price of houses served by the road.
(b) General supervision of the whole contract where the architect is engaged by a developer other than a builder.	1.0 per cent of the aggregate of the selling price of all the houses on the estate erected to the architect's type designs.
(c) Consultative supervision by the architect when engaged by a builder under Paragraph B above, including design and supervision of landscaping, planting and special paving, etc.	Fee to be negotiated between architect and builder.
(d) For providing copies of site plans for use by solicitors for conveyancing purposes.	Fee to be negotiated.

COMING EVENTS

FRIDAY, MAY 8

INCORPORATED ASSOCIATION OF ARCHITECTS AND SURVEYORS (Northern Counties Branch).—Informal dinner. Guildford Hotel, The Headrow, Leeds. 7.45 p.m.

MONDAY, MAY 11

NATIONAL FEDERATION OF PLASTERING CONTRS.—Conference with Contracting Plasterers and Lathers' International Union of the United States of America and Canada. 82 New Cavendish-st., W1. 2.30 p.m.

TUESDAY, MAY 12

INSTITUTION OF CIVIL ENGINEERS.—'Research and its Application to Road Construction.' By Mr. J. M. Fisher, Mr. A. R. Lee and Mr. R. S. Millard. Great George-st., SW1. 5.30 p.m.

FEDERATION OF CIVIL ENGINEERING CONTRACTORS: Annual Dinner. Dorchester Hotel, W.1. 7.30 p.m.

WEDNESDAY, MAY 13

LMBA.—Central Area No. 3 Spring luncheon. Stationers' Hall. 1 p.m.

ROYAL SOCIETY OF ARTS.—'The Work of the Historic Churches Preservation Trust.' By the Earl of Euston. John Adam-st., Adelphi, WC2. 2.30 p.m.

INSTITUTE OF BUILDERS, BRIGHTON AND DISTRICT CENTRE (Licentiate Discussion Club).—'Thermal Insulation.' By Mr. R. R. Houston. Cook's Hotel, Old Steine, Brighton. 7.15 p.m.

INCORPORATED ASSOCIATION OF ARCHITECTS AND SURVEYORS (Wealden Branch).—Inspection of Brighton's main sewerage system, storm water outfall and main outfall. Lower-sq., Palace pier. 7.30 p.m.

THURSDAY, MAY 14

INSTITUTION OF PUBLIC HEALTH ENGINEERS.—'Facts About Air Pollution from Homes and Factories.' By Mr. R. L. Brown, Mr. P. G. W. Hawksley and Mr. J. M. Horspool. Caxton Hall, Westminster, SW1. 6 p.m.

INSTITUTION OF STRUCTURAL ENGINEERS (South Western Counties Branch).—Annual meeting. Duke of Cornwall Hotel, Plymouth. 6 p.m.

WEDNESDAY, MAY 20

THE YERBURY FOUNDATION. Lecture on 'Mechanical Services and Architecture,' by Jorgen Varming, BSc. The TUC Memorial Building, Great Russell-st., WC1. 6.30 p.m. Admission by ticket only from 36 Bedford-sq., WC1.

A HUNDRED YEARS AGO

From The Builder *of May 7, 1859*

THE NINE-HOURS MOVEMENT. — Mr. Editor,—If the building operatives complain that ten hours as a day's work is too much, what would they think of 15 or 16 hours? That is, I believe, about the time that master builders and others work. My father and myself rise about a quarter to five, a.m., and are about our business; and leave off estimating, writing, planning, at ten or half-past, p.m., allowing about two hours for meals, &c. I do not think that workmen have much to complain of: they have none of the anxieties connected with the carrying on of large jobs, and many things are not going altogether exactly right, or the thoughts of Saturday afternoon coming round, and being rather short of cash: besides many other and similar benefits belonging to the master builder's position.

A Builder's Son.

P.S. What would the men think of the hours of a builder's clerk?

Chester Beatty Institute

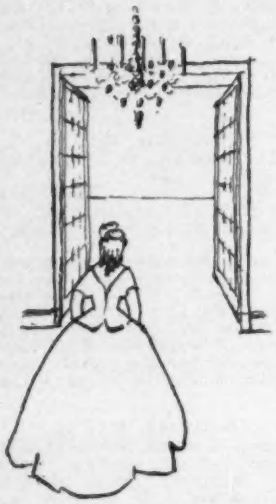
THE QUANTITY SURVEYORS for the extension to the Chester Beatty Institute (shown in *The Builder* of April 24) were Messrs. Wakeman, Trower & Partners.

EVERYDAY THINGS

By Arthur W. Kenyon, CBE, FRIBA

LXXIX.—Doors

FOLDING doors: those gracious double doors which folded back and bid you welcome and are now a thing of the past. They went with Regency and flunkeys—one for each door, so, of course, we can no longer have double doors as we no longer have a servant for even one door.



The gracious double doors

Where they still remain in existence we find ourselves squeezing through half the opening. But they were rather grand: 2 ft. 9 in. each door, making a 5 ft. 6 in. opening for my lady to sweep graciously through without crushing the hoops of her crinoline. Are we losing dignity? Of course we are, and I doubt if we are gaining much in its place.

Dignity in domestic work died when we returned to the low ceiling. We had to reduce the height of the ceilings when we could no longer afford the extra stairs, longer window draperies, cleaning, heating and all the other extravagances which it caused. With the lowering of height went smaller rooms and in consequence smaller doors, until our final parsimony resulted in the smallest door we could possibly squeeze through, and now with open plans and central heating we leave them out altogether.

We are gradually coming back full circle to the open living plan of the cave-dweller.

But we still have the front door, the one I have always called the 'welcome door,' of which the Georgians made such a feature with overdoor, fanlight and broad flight of steps. It was opulent but hospitable and on entering you felt almost as if the very ceiling were embracing you as you walked up the steps.

Then there is the round-headed door, again a thing of the past because curves no longer enter into the order of things. The circular headed door had a satisfying appearance, but it was not very scientific and could give trouble both in the making and opening. There were also beautifully panelled and highly polished mahogany doors; sometimes solid, sometimes veneered, but always exquisitely moulded, made like a museum piece of furniture and forming part of the decoration of the room.

Then paint crept into the scheme of things and all the woodwork in a room was painted, but still the door remained a feature. Even in the days of seasoned timber, doors were never clamped up immediately they were made: they were left loose to allow the parts to settle together before they were clamped up and finished off.

The ledged door, the ledged and braced door, the framed ledged and braced doors, the panelled doors, two-panelled, four-panelled; all appeared in the specification—no standard width or height and all hand made. You paid your money and you took your pick. Not until the Canadian doors with five horizontal panels came in did the size become standardised: then they were 2 ft. 6 in. × 6 ft. 6in. and 2 ft. 8 in. × 6 ft. 8 in. which meant cutting an inch off top and bottom to get them lined up. These were dowelled, not tenoned.

Today the flush door has taken precedence over all others and it is so scientifically made that it can be relied upon to fit. It is very hygienic with no mouldings to collect dust, just a plain surface left in natural wood and polished or painted. It fulfils its job of closing a gap in a wall which after all is what a door is for—no more, no less. It is not a thing of beauty in itself except in the simple and utilitarian performance of its function.

Doors can be a fascinating study and I take pleasure in them all with one exception. I would like to be preserved from the vicious pair of double swing doors designed to crash in the face.

LONDON'S HOUSING PROBLEM

'Why Ministry Sometimes Overrules Local Councils'

AT a luncheon given in her honour by Brigadier G. M. B. Portman, chairman of Hambledon Rural District Council, at Witley, Surrey, on April 30, DAME EVELYN SHARP, Permanent Secretary to the Ministry of Housing and Local Government, said that Greater London was not seeking land for selfish or 'some sort of imperialistic' reasons. They had thousands of people living in intolerable conditions. 'What are they to do?' she asked. The attitude of the surrounding local authorities was 'yes, but not here,' and that was why the Ministry had to overrule them sometimes.

No government, Dame Evelyn declared, wished to reorganise local government—it was an absolute vote-loser whatever they did—but it had to be done. There was a risk of local authorities losing some of their functions if they were not equipped to deal with them. In the last 20 years they had lost many which could have been avoided if reorganisation had taken place.

The handling of traffic and transport, for instance—one of the largest domestic problems of our day—might be made the responsibility of local authorities, but they would have to be reorganised to take it on and that would mean reducing the number of local authorities.

The Ministry, said Dame Evelyn, was accused of liking large authorities for largeness's sake. All they wanted to see was stronger, more independent and more obstreperous local authorities.

BRIG. PORTMAN told the gathering that in the last 10 years there had been 6,500 applications to build houses in the Hambledon Rural District, most of which had been refused and, they would continue to be refused. There had been 148 appeals and in 91 of them the Council had succeeded.

PLANNING A PRINTING WORKS

Fourteen students of the Architectural Association School of Architecture visited the London lithographic printing works of CAPS Ltd. on April 30, with one of their lecturers, Bernard Lamb, ARIBA, Dip. Arch. (shown second from right). They are designing a printing works as part of their second year's course. All their work in the second year is related to a village in Buckinghamshire which they are planning to expand to accommodate a 100 per cent increase in population and some further light industry, including a steel-framed lithographic printing works. They are preparing a scale model of the enlarged village, incorporating their plans; and in June a jury will assemble to criticise the schemes

Take a look at your secretary's shoes...

Chances are they will be poised anything up to 4½" from the floor! ... one slight slip could — and sometimes does — result in unnecessary disaster.

The task of preventing such accidents on staircases is a special one, Altro being the name closely associated with it. For many years this company has directed its efforts towards producing non-slip treads and nosings, paying special attention to safer methods of fixing.

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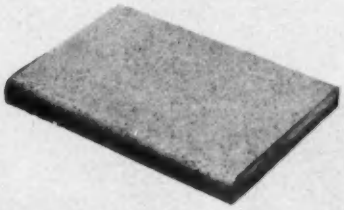

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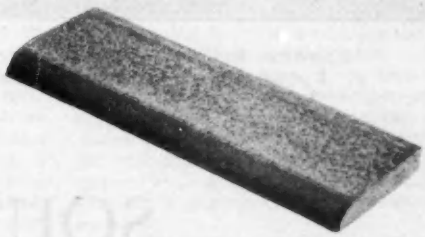
These are made from Altro abrasive bonded with pure P.V.C., suitable for any stairs — concrete, wood, steel, etc., exterior or interior. They remain resistant to oil and other chemicals.



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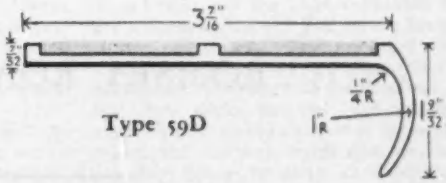

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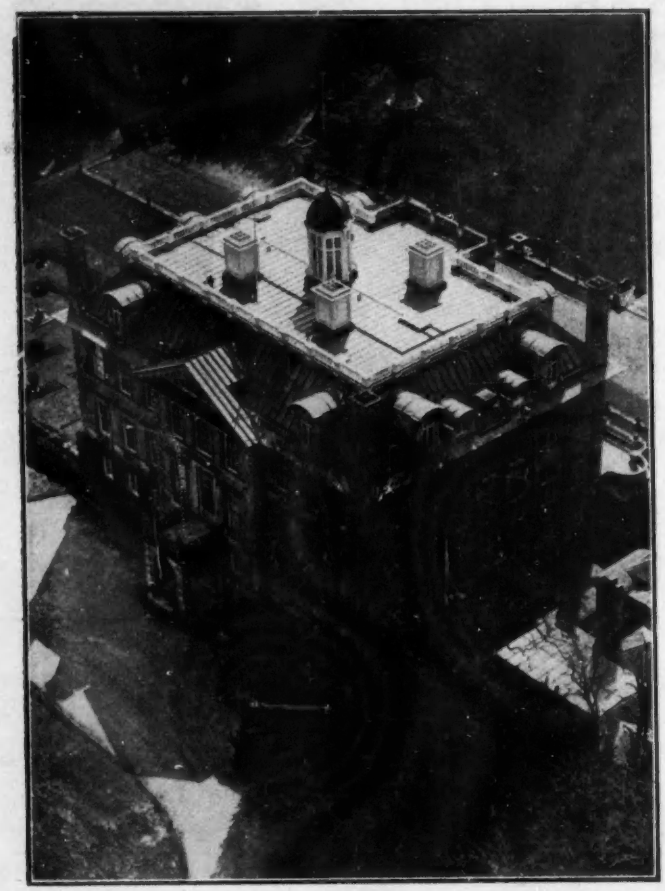

Chartered Architects : Frederick Barber & Partners
5 Apple Market, Kingston-upon-Thames, Surrey

RESTORATION WORK AT KINGSTON-LACY HOUSE
Nr. WIMBORNE, Dorset (Built 1663)

The entire roof lead work of about 40 tons removed and all structural roof timbers affected by death-watch beetle or dry rot, renewed and/or treated. New lead covering laid throughout and balustrading reconstructed. Defective stonework restored to all elevations and roof.

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IN PARLIAMENT

By Our Parliamentary Correspondent

EFFECTS OF PROPOSED LONDON MOTORWAY

THE redevelopment implications of the proposed 'A' ring motorway in London, described in the House of Commons recently (*The Builder*, March 27), were mentioned in a written question in the House of Lords on April 17 by LORD DERWENT. He asked why the redevelopment of extensive areas on all the properties adjoining the motorway was considered necessary as a result of providing the motorway, and under what procedure a grant would be made from Government funds available for the road programme for any unavoidable redevelopment.

EARL BATHURST wrote in reply: 'If a motorway like the suggested "A" ring road were built in London, it would, whatever line it followed, radically alter the character of the neighbourhood through which it passed. For example, some at present quiet areas would have to take heavy traffic; property would have for social or aesthetic reasons to be demolished beyond the confines of the actual line of the road; localities would be divided, making it more difficult for people to go to their usual shops, schools and places of work and entertainment; and raised structures, if used for this motorway, would create special problems each side of them.

'For reasons of this nature, it must be presumed that if such a motorway were built, extensive areas adjoining it would have to be redeveloped. The Minister of Transport has no power to make funds available for such redevelopment beyond the compensation payable for property which has to be acquired for the construction of the road.'

COST LIMIT ON 'MINOR' SCHOOL PROJECTS DOUBLED

WHEN the Schools Regulations, 1959, were debated on April 27, SIR EDWARD BOYLE, Parliamentary Secretary to the Ministry of Education, explained that the arrangements for major building projects—those costing £20,000 or more—would remain unchanged. Broadly speaking, he said, these projects would still require Ministry approval, and approval of plans and cost at final plan stage.

There were certain changes for minor building projects. The limit on a minor capital project had been doubled from £10,000 to £20,000. The only control they proposed to exercise over projects costing between £10,000 and £20,000 was approval of plans and cost at sketch plan stage. Under the old procedure these projects had to go through a more elaborate procedure applied to major projects.

As well as giving more authorities a substantially larger Government allocation for minor works in the current year, they were also giving them a great deal more freedom to select the minor works which they wished to carry out. The old procedure required about four-fifths of all minor projects to be approved in principle by the Minister before they could be started, but in future only a very small minority of projects would require approval in principle. For the great majority of projects, authorities would be freed entirely from the need to justify the projects which they chose.

Projects costing under £10,000 would be freed very largely from controls of any kind. It was difficult to estimate the exact proportion which would have to obtain the Minister's approval but probably whereas about four-fifths of minor projects formerly had to come to the Ministry for approval, in future only about three-quarters of them would have to do so.

TOWN AND COUNTRY PLANNING BILL

AN amendment by LORD SILKIN to delete from the Town and Country Planning Bill the clause which provides for additional compensation for new planning permission in respect of land acquired, was rejected by 38 votes to 19 in the House of Lords on April 27.

Describing it as the most doubtful and controversial clause in the Bill, Lord Silkin said it permitted the vendor, in a case where further permission for development had been granted within five years, to go back to the acquiring authority and claim additional compensation. If within five years it should turn out that the acquiring authority was able to make more profitable use of the land than the one on which the acquisition took place, the vendor could reopen the matter and get the benefit of the more profitable use. If it should turn out that the acquiring authority could only use it less profitably, they could not reopen the transaction and recover from the vendor the additional price paid for the land.

The clause created undesirable principles. The way in which the matter could be reopened was one-sided. It was grossly unfair and wrong in principle. It was giving to owners of land, in addition to the benefits of the Bill, an additional benefit which was without justification. Further, it would create a state of unsettlement and sterilisation of land for five years. While the provision would not in practice inure very much to the benefit of owners because of the natural tendency of local authorities to wait five years before making any change of use, it would have the great disadvantage that it might hold up development for five years.

VISCOUNT KILMUIR, the Lord Chancellor, said the effect on value could be so great that a change of purpose involving a new permission, if it occurred within a fairly short time of acquisition, ought in fairness, he believed, to reopen the compensation question. In most cases where there was a change of intention the land would not have been used since acquisition and might well have been left in the hands of the owner. It would be mainfestly unfair that an owner should receive a lower value for his land because an acquiring authority bought it too early, at a time when they did not need it for the purpose to which it was afterwards put.

Social justice did not imply automatically coming down on the side of the State or the local authority, or the 'big battalions' against the individual. It meant that the individual must also get a fair deal. If compulsory powers were used to get an individual's land for one purpose and then they got planning permission or were in a position to use the land for a more profitable purpose, why should that individual be sacrificed to the 'big battalion' or the local authority?

It was not the issue that the individual should not lose his land; he was going to lose it and surrender it for the public purpose. All the Government were saying was that when he lost it, was it not right that he should get a fair price—a price correlated to the purpose for which the land was used and not a price related to an entirely different purpose?

A new clause was added to the Bill which, said the Lord Chancellor, would give to parish councils and to parish meetings where there was no parish council, a general power to appropriate land, which was not required for the purpose for which it was held, to another purpose approved by the Minister of Housing and Local Government and the parish meeting. Parish councils, he explained, had some limited powers of appropriation at present but were sometimes embarrassed by the absence of a general power. The new clause was moved in response to a request from the National Association of Parish Councils.

On Clause 33 (Rights of owners where application made for planning permission) the Lord Chancellor moved amendments which, among other things, he said, prevented the advertisement system from being used too freely as a means of avoiding the notification of individual owners. The amendments were agreed to.

ARCHITECTURAL ADVICE ON THE NEW MOTORWAYS

MR. IREMONGER asked the Minister of Transport on April 29 whether he was aware that the Royal Institute of British Architects had received an unsatisfactory answer from the West Midlands and West Riding study groups on urban motorways, set up by him, to its representations concerning the desirability of appointing architects to these study groups; and whether he was satisfied that adequate attention would be given in future to the danger of the 'subtopianisation' of increasing areas of the country.

MR. HAROLD WATKINSON: 'Yes. I fully appreciate the importance of using the best professional advice in this matter. I have written to the chairmen of the two committees, to which Mr. Iremonger refers, suggesting that they might consider associating an architect or planning expert with the work of their Committees from an early stage. The Committees are, of course, local authority Committees, and not responsible to me.'

MR. IREMONGER: 'Is the Minister aware that the relationship between the architectural bodies and the local authorities does not seem to be happy? Will he use his good offices to see that things are smoothed over?'

MR. WATKINSON: 'I am aware that the professional architectural associations feel that their advice has not been sought as much as they would like. It is the wish of myself and my department that we should use their advice as much as we can. We shall need all the advice we can get if we are to solve particularly the urban road problem. So there is no lack of good will on the part of the Ministry.'

There were cheers when MR. STRAUSS asked the Minister to do his best to prevent

'subtopianisation,' and Mr. Watkinson commented: 'I certainly agree with that.'

MR. GRESHAM COOKE asked the Minister of Transport on what trunk road and motorway projects, apart from the London-Birmingham motorway, he had consulted the Advisory Committee on Landscape Treatment of Trunk Roads; and to what extent, in respect of any such schemes, the Committee had expressed the view that it was not consulted at an early enough stage.

MR. WATKINSON wrote in reply on April 29: 'Since their appointment in 1956 the Committee have considered the proposed lines of route for 17 trunk road projects, and 5 motorway projects. The Committee or their representatives have also inspected 28 schemes at a later stage in order to consider landscaping treatment. The Committee have also considered 156 detailed planting schemes. I am very grateful to them for the great contribution that they are making to the amenity aspect of our new road system.

'It is our policy to consult the Committee at all appropriate stages, but in the early years of the road programme, as the Committee appreciate, it was not possible, without seriously delaying schemes, to give them a full opportunity to consider all lines of route for which plans were already far advanced or were of special urgency.'

OTHER BUSINESS

Nuclear Power Station

MR. GOUGH asked the Paymaster General on April 14 for a statement on the proposed nuclear power station at Earnley.

SIR IAN HOROBIN, Parliamentary Secretary, Ministry of Power, wrote in reply: 'I understand that the Central Electricity Generating Board propose to investigate land at Earnley to ascertain whether it is technically suitable for a nuclear power station. If it should prove suitable they may in due course apply to the Minister of Power for his consent to the construction of a station on the site. At that stage, the Minister would consider any representations made to him by interested parties and if necessary order a public inquiry before deciding whether or not to give his consent.'

Hospital Design Competition

SIR HERBERT BUTCHER asked the Minister of Health on, April 20, whether he was now in a position to make a statement in connection with the progress of the new hospital at Boston.

MR. WALKER-SMITH: 'The accommodation to be provided at the new hospital has been decided, and an architectural competition for its design will be held shortly. An assessor to judge the entries has been appointed, and the precise conditions of the competition will shortly be discussed with him.'

Car Parking Facilities

Replying to a debate on parking meter schemes on April 20, MR. NUGENT, Parliamentary Secretary to the Ministry of Transport, referring to the need for more off-street parking facilities, said that Westminster City Council had a scheme for building an off-street garage in Waverton-street, which was to the south-west of Grosvenor-square, in a very good central position. He had no doubt that this scheme would go ahead. His recollection was that there would be accommodation for between 250 and 300 cars and the council would get on with the building as quickly as possible.

MR. D. JONES asked if Mr. Nugent was aware that Finsbury Council architects had indicated that they had devised a scheme for saving the trees in Finsbury-square and at the same time putting a car park under the garden.

MR. NUGENT: 'Yes, I shall be delighted when that is built. I have taken a great deal of trouble to expedite that scheme but it has run into certain legal difficulties. There is not the same amenity to preserve in that area as in some squares in the West End.'

A scheme to build an underground garage under the parade ground part of Hyde Park near Marble Arch was under consideration and was complementary to the general development of parking meters. It was not possible to consider one without the other.

Local Authority Housing

MR. FRANK ALLAUN (Lab., Salford E.) asked the Minister of Housing and Local Government on April 21 what further assistance, other than by subsidy, he proposed to give to local authorities in order to enable them to increase their house-building programmes.

MR. BROOKE: 'Since 1951 more than two million new houses have been built in Great Britain at an average rate of some 300,000 a year. This high level has been made possible by the continued growth of private building for general housing needs. As a result, the housing situation in the country has been enormously improved. In these circumstances, though in many areas there is still a strong continuing demand for houses, it was to be expected that the total number needing to be provided by local authorities should decline.

'Nevertheless, they have continued to build on a substantial scale, and have been told by Circular 60/58 that I am prepared to approve the building of an increased number of houses by individual authorities during the current year.'

Loss of Agricultural Land

SIR ANTHONY HURD asked the Minister of Housing and Local Government on April 21 if he would make a statement of the estimated loss of agricultural land to all other purposes during the five-year period covered by the development plans on the basis of those plans and supplementary information.

MR. BEVINS, Parliamentary Secretary: 'An analysis has been made of a large number of development plans. This shows that, at the time the plans were prepared, planning authorities in England and Wales thought that, roughly, some 500,000 acres more would be needed for purposes such as housing, industry, schools and open space. The plans cover 20-year periods, and the estimate cannot be broken down into shorter periods. Particulars of this analysis will be given in the annual report of the department to be published shortly.'

Private Street Works

MR. SWINGLER asked the Minister of Housing and Local Government, on April 21, if, in view of the hardship suffered by many of those obliged to meet the cost of making up private streets under the Private Street Works Act, 1892, he would forthwith authorise and enable local authorities to issue interest-free or low-interest loans to householders to assist them in meeting these charges.

MR. BEVINS: No. This is a complex subject and before considering changes the Minister must see what emerges from the survey he has instituted.

MR. SWINGLER also asked who was undertaking the survey; what approach had been made to local authorities; and if he would publish the report and recommendations when completed.

MR. BEVINS wrote in reply on April 21: 'This survey is being undertaken by my department, who will shortly be getting into touch with the local authority associations about it. It is too early to say how the results of the survey will be made public.'

Landscaping of Motorways

MR. PRENTICE asked the Minister of Transport on April 22 what steps he took to associate experts in landscape treatment with the planning of major road developments in order to achieve the best possible relationship between new highways and the landscape through which they pass.

MR. G. R. H. NUGENT, Parliamentary Secretary, wrote in reply: 'The Advisory Committee on the Landscape Treatment of Trunk Roads advise us on such matters concerning motorways and trunk roads, and their expert advice is invaluable. In addition, the Royal Fine Art Commission are most helpful, particularly in relation to the design of bridges on these roads.'

Road Building, Scotland

MR. JOHN MACLAY, Secretary of State for Scotland, told SIR T. MOORE, in a written reply on April 24, that the total estimated cost of new construction and major improvement schemes on trunk and classified roads in Scotland authorised during 1958-59, including the Forth Road Bridge, was about £21.5m. of which about £20½m. would be borne by the Exchequer.

Investment Allowances Policy

MR. HEATHCOAT AMORY, Chancellor of the Exchequer, replying on April 28 to the debate on the Finance Bill which implements the Budget proposals, said he hoped there would not be a premature withdrawal of investment allowances, but there might well be circumstances in the future—he did not know—in which no special encouragement would be justified. Then he expected that the Government of the day would, as in 1956, provide that all outstanding contracts should be safeguarded.

Slum Clearance Progress

MR. MAURICE MACMILLAN asked what progress was made with slum clearance during 1958 and MR. BROOKE wrote in reply on April 28: 'The quarterly Housing Returns for England and Wales and for Scotland, published to-day, show that during 1958 local authorities in England and Wales demolished or closed just over 55,000 houses and in Scotland over 12,800. About 160,000 people were re-housed in England and Wales during the year, and over 45,000 are estimated to have been rehoused in Scotland. 1958 marks, therefore, the achievement of the Government aim of 200,000 people a year to be re-housed from the slums.'

*** Details of the housing returns will be given in an early issue.—ED.

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LONDON COUNTY COUNCIL

Michael Faraday Memorial

THE Mayor of Southwark has taken the lead in bringing together representatives of organisations interested in the provision of a memorial to Michael Faraday, whose birthplace was near the Elephant and Castle, it was reported to the meeting of the London County Council, on May 5. The LCC's improvement scheme at the Elephant and Castle requires that an electricity sub-station belonging to the London Transport Executive be re-sited and as the most economic alternative site is on the central island of the roundabout, it is considered that it would be appropriate for the new sub-station to be so designed that it would also serve as a memorial to Michael Faraday.

The design for the building, approved by the Faraday Memorial Committee and the Town Planning Committee, comprises a steel-framed structure in the form of an inverted pyramid, supported by aluminium-framed glazed walls containing the sub-station equipment suitably laid out for display. A building of the proposed size and character will provide a most effective central feature in the large open space formed by the buildings at the northern end of the new Elephant and Castle road system and will be a point of great architectural interest both by day and night. The scheme also provides for a piece of sculpture on a paved area, next to the building.

The cost of a specially designed sub-station will, it is estimated, exceed that of an ordinary sub-station by £8,500. The Faraday Memorial organising committee propose to make a public appeal for contributions to provide a memorial and also scholarships and other educational benefits connected with electrical and chemical studies.

In the special circumstances the LTE has agreed that the Council shall be responsible for the design and erection of the new building on behalf of the Executive. The pressure of other commitments of the Council's architect makes him unable to undertake the preparation of the structural drawings and it will be necessary to appoint consulting structural engineers to undertake the work.

New Principal Housing Architect

AFTER public advertisement, Mr. K. J. Campbell, ARIBA, assistant housing architect, was recommended for promotion to the position of principal housing architect vacated by Mr. H. J. Whitfield Lewis, ARIBA. The post carries a scale of annual salary of £2,450 rising to £2,650.

Blackwall Tunnel Duplication

THE Town Planning Committee stated that the report of the appointed engineers, Messrs. Mott, Hay and Anderson, on the work of driving the new tunnel in the Blackwall Tunnel duplication scheme has been received, and the Council were asked to approve the engineers' estimate for the work of £5,117,000, together with supplementary estimates for work (to be undertaken by the LCC) on the approaches, rehousing and so on, making a total cost for the scheme of £8,972,000.

Industry in Expanding Towns

THE Housing Committee sought approval for expenditure of £15,000 in 1959-60 for the advertising of industrial sites in expanding towns with which the Council has agreements under the Town Development Act, 1952.

School Building Programme

THE Schools Planning Sub-Committee reported that a draft building programme for 1960-63 now being discussed with the Ministry of Education contains nearly 100 projects. Included in the draft programme are schemes for new schools and for the extensive improvement or rebuilding of old ones—schemes which were not admissible until the White Paper 'Secondary Education for All—a New Drive' removed restrictions upon school building. Much of the land required for these projects is already in the Council's possession but land for 36 projects needs to be acquired at an estimated cost of £1,617,850.

NATIONAL JOINT COUNCIL

Annual Meeting

AT THE annual general meeting of the National Joint Council for the Building Industry, held in London on April 30, the retirement was announced of Mr. I. Ernest Jones, MA, BSc, who has been the employers' secretary on the Council since 1932. He will be succeeded by Mr. F. O. Jayne, MA, barrister-at-law.

Others who were re-elected are: Chairman, Mr. L. A. Walden, past-president, NFBTE; vice-chairman, Mr. J. H. Mills, president, NFBTO; operatives' secretary, Sir Richard Coppock, CBE, general secretary, NFBTO.

A luncheon to mark the occasion of Mr. Jones' retirement was held at the Dorchester Hotel.

INTRODUCTORY BUILDING TRADE COURSE

A RESIDENTIAL introductory building trades course is being organised by the Oxfordshire Education Committee's Rycotewood College of Rural Crafts.

Some of the particular aims and objectives of the course are to introduce the student to three building crafts—carpentry and joinery, plumbing and bricklaying, before taking up employment; also to provide them with the opportunity of commencing preparation for the intermediate City and Guilds examinations; to encourage students to take appropriate subjects in the GCE at the end of the course; the opportunity to obtain an appropriate reduction in the period of indentured apprenticeship. The course is approved and recognised by the National Joint Council for the Building Industry.

This one year course commences annually in September. Applications for admission to the College should be made not later than the end of May. Admission will be as a result of a written examination in English and arithmetic taken at a centre near the student's home, and an interview at the College. Students wishing to apply should be 15 years of age and have completed their secondary education. Tuition fee is £105, boarding fee £115. Further details are obtainable from the principal at Priest End, Thame, Oxford.

PROPOSED NEW HOTEL, PARK LANE

Statement by the Royal Fine Art Commission

THE Royal Fine Art Commission have issued the following statement on the proposed 320ft. high hotel for Park-lane:

A revised design for a new hotel to be erected on the site of nos. 20-24 Park-lane and of houses to the rear has recently been submitted to the London County Council for planning approval.

The Royal Fine Art Commission was consulted in June, 1957, on the first design for this building, which was to be about 380 ft. high, and it informed the County Council that in its opinion the site was not one on which a building much above the normal height of about 100 ft. should be permitted.

A Public Inquiry was held in November, 1957, and planning permission was refused on account of the high density, but the Minister of Housing and Local Government made it clear that if the density were reduced he would not object to a building above the normal height.

The latest proposal, on which the Commission has also been consulted, is for a building about 320 ft. high.

The Commission is not opposed to high buildings in London as such. It is a question of size and shape, architectural quality and relation to setting. Each case must be considered on its merits. As far as the erection of high buildings around public open spaces is concerned, the Commission's views were set out in the following statement submitted to the LCC in April, 1956, as follows:

> 'The Commission considers that it would be unwise to suggest that the proximity of open spaces necessarily makes a high building desirable. High buildings dominating the London Parks or Commons would provide spectacular views for those who occupied them: but for those who used the open spaces, the rural atmosphere which is found in many of them and which is unique to London would disappear. This would constitute a grave loss.'

If permission were given for an exceptionally high building in this case the Commission does not see how it would be possible to refuse permission for other exceptionally high buildings at different points on the perimeter of the central parks, and the final result would be the destruction of that sense of remoteness from the atmosphere of a big city which is one of their unique assets. The example of Central Park, New York, shows that even a large park can be dominated by buildings.

The Commission believes that it has the support of a large body of public opinion in its opposition to the present proposal.

OBITUARY

E. S. Clarke, FRIBA, FRICS

THE DEATH has taken place, after a long illness, of Mr. Ernest Seymour Clarke, FRIBA, FRICS, of The Glen, 4 Shortlands-road, Shortlands, Kent. He was 84.

Mr. John Barlow-Smith, LRIBA

WE REGRET to announce the death, on April 30, at 16 Abercromby-street, Barnhill, Dundee, of Mr. John Barlow-Smith, LRIBA, late of Bedford, and Northwood, Middx.

MEASURED PRICES FOR NEW BUILDING WORK IN LONDON

Copyright *The Builder*

These prices for new building work in London will appear in the first issue of each month only. The prices are inclusive of all allowances for National Insurance, Holidays with Pay and Public Holidays, Third Party Risk, Travelling Allowances and Guaranteed Week. They cover a profit of 10 per cent on the prime cost without any addition for establishment charges.

These rates do not include for Foremen and other preliminary items, such as office, sheds, plant and scaffolding, etc., and these must be added accordingly.

The basic cost of the labour and materials used in arriving at the rates has been derived from the 'Current Prices of Materials' published in *The Builder*.

The data given are copyright. While every endeavour is made to ensure accuracy, we do not hold ourselves responsible for any error that may occur.—EDITOR.

EXCAVATOR

All hand labour	*Per yd. cube*				
	Loose earth	*Firm soil*	*Stiff clay*	*Chalk and flints*	*Rock, etc., no blasting*
	s. d.	s. d.	s. d.	s. d.	s. d.
Surface excavation to shallow depths	8 0	10 0	11 6	17 5	45 0
Bulk do. or large trenches, etc., not exceeding 5 ft. deep ...	7 3	9 1	10 6	15 6	41 0
Trenches do. under 4 ft. 6 in. wide and do.	9 9	11 10	13 8	20 2	54 0
Pier holes and similar under 6 ft. square and do.	11 0	13 6	15 9	23 2	60 0
Additional throw for every 5 ft.:					
Bulk excavation...	3 8	3 8	5 3	5 3	6 0
Trench ,, ...	4 10	4 10	6 6	6 6	7 6
Pier ,, ...	5 5	5 5	7 4	7 4	8 4
Return, fill and ram	5 0	5 0	6 6	6 6	8 0
Wheeling surplus n.e. 100 yds. run and depositing	7 0	7 9	7 9	7 9	8 9
Underpinning in trenches ...	13 0	18 0	21 0	30 0	—

		s. d.
Loading lorries and transporting to tip	Yd. cube	16 3
Basketing out and depositing	,,	9 9
Planking and strutting to sides of surface or basement trenches :		
Depth up to 5 ft.	Ft. sup.	6
,, ,, 10 ft.	,,	8
,, ,, 15 ft.	,,	9
Hardcore :		
Filled-in layers and consolidated	Yd. cube	22 0
Do. 4 in. thick	Yd. sup.	3 3
Do. 6 in. thick	,,	4 4

CONCRETER

	Basic yard cube rates			
	1 : 12	1 : 3 : 6	1 : 2 : 4	1 : 1½ : 3
Aggregate	1½ in. all-in	1½ in.	¾ in.	½ in.
Concrete in normal foundations : (minimum 6-ton cement loads)—	s. d.	s. d.	s. d.	s. d.
Portland cement standard specification	64 6	71 6	80 0	86 6
Portland cement rapid hardening...	65 9	73 4	82 6	89 10
Water-repellent cement	68 6	77 3	88 3	97 0

		s. d.
Add to above basis for :		
4 in. surface beds	Yd. sup.	7
6 in. ,, ,, ...	,,	8
(If above two items worked around mesh reinforcement, add 5d. per yd. *super*).		
Foundations in underpinning in short lengths ...	Yd. cube	16 0
Beds and flaunchings to drains	,,	8 0
Pier or stanchion foundations—small	,,	4 0
Sundry small items not exceeding 3 ft. cube in plinths, curbs, padstones, etc.	,,	21 0

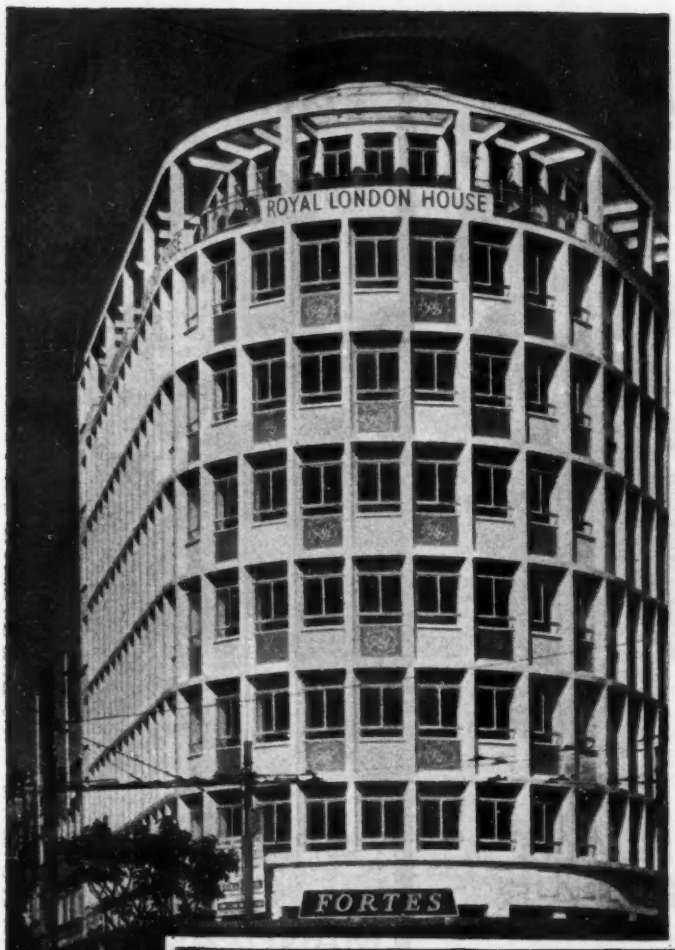
REINFORCED CONCRETE

ADD to above 'Basic Yard Cube Rates'

		s. d.
Reinforced concrete including working around reinforcement between formwork and hoisting to normal levels :		
Foundations and similar	Yd. cube	5 3
Isolated stanchion or pier bases	,,	6 3
Walls not exceeding 6 in. thick	,,	26 3
,, ,, ,, 12 in. ,,	.	18 3
Suspended floors or flat roofs 4½ in. thick	Yd. cube	21 0
,, ,, ,, ,, 6 in. ,, ...	,,	17 0
,, ,, ,, ,, 9 in. ,, ...	,,	14 6
(Beams attached to floors or flats, *add* 6/6 yd. cube)		
Isolated beams or lintels average 72 sectional inches ...	,,	31 6
Do. average 144 sectional inches	,,	23 6
Columns or stanchions average 72 sectional inches	,,	36 9
,, ,, ,, ,, 144 ,, ,,	,,	28 9
Staircases and landings, etc.	,,	55 0
Shell roofs average 3 in. thick, including labour forming curved surface	,,	130 0
Hollow tile floors :		
Hollow clay tiles 4 in. thick with 1 : 2 : 4 concrete ribs at 14 in. centres with filler tiles and 1½ in. fine concrete screed (excluding reinforcement and form work)	Yd. sup.	19 0
All as above but 6 in. thick clay tiles	,,	23 0
,, ,, ,, ,, 9 in. ,, ,, ,, ...	,,	32 0
Sundry Items :		
2 in. concrete (1 : 2 : 4) blinding bed	Yd. sup.	2 8
Spade finish to concrete beds	,,	10
Trowel ,, ,, ,, ...	,,	1 9
Laying to falls and currents	,,	1 0
Hacking concrete by hand	,,	2 7
Hacking concrete by use of proprietary liquids ...	,,	1 6
Damp-proof membrane in three coats with sanded key	,,	4 9
⅜ in. Bitumen expansion joints 4 in. deep in floors ...	Yd. run	3 10

	Mild steel rods (round) cut, bent, hooked, wired and fixed complete (Ex. London Stock)			
	¼ in.	⅜ in.	½ in.	⅝ to 1 in.
Reinforcement :	s. d.	s. d.	s. d.	s. d.
Floors & beams laid in only ...	88 2	79 1	73 6	70 1
,, ,, ,, wired into frames	100 0	89 6	85 5	79 11
Walls wired into frames	100 0	89 6	85 5	79 11
Columns wired into frames ...	100 0	89 6	85 5	79 11
Staircases wired into frames ...	102 3	91 9	87 8	82 2

		s. d.
Steel mesh fabric reinforcement :		
Laid in floors including laps and straight cutting and wiring, etc.:		
Weight 3.94 lb. per yd. sup.	Yd. sup.	4 3
,, 4.71 lb. ,, ,, ,, ...	,,	4 6
,, 9.32 lb. ,, ,, ,, ...	,,	8 4
Raking cutting worth 6 in. material cost per ft. run.		
Circular cutting worth 9 in. material cost per ft. run.		
Formwork (Sawn) including strutting, easing and removal and average four times use of timber :		
Soffit of floors and flat roofs	Yd. sup.	16 6
Sloping soffits of stairs	,,	22 6
Barrel-vault soffits of floors and roofs	,,	21 0
Vertical sides of walls	,,	15 9
Battering sides of walls	,,	20 6
Columns	Ft. sup.	2 4
Lintels and beams	,,	2 6
Staircase strings cut to tread and riser	Ft. run	3 6
Edges of concrete floors, etc., up to 12 in. deep per inch in height	,,	2¼
Rebates or similar per inch girth up to 6 in. girth ...	,,	2¼
Raking cutting	,,	8
Extra cost for wrought shuttering and labour rubbing down to leave fair face on concrete ...	Yd. sup.	2 6
Pre-cast Concrete (1 : 2 : 4) including fair face :		
4½ in. x 6 in. reinforced lintels	Ft. run	2 10
9 in. x 6 in. ,, ,, ...	,,	5 0
9 in. x 9 in. ,, ,, ...	,,	8 3
Steel Formwork :		
Steel shuttering forms with patent expanding floor centres and telescopic props not less than four times use on each job with continuous use ...	Yd. sup.	10 6



MS

DRI-SIL

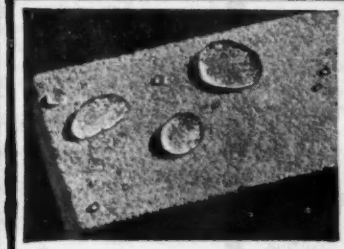
silicone masonry treatments DEFY DAMP AND DIRT

Concrete, stone, bricks and mortar can be made highly water-repellent by masonry treatments based on DRI-SIL silicones. The treatments are easily applied, and are effective for many years.

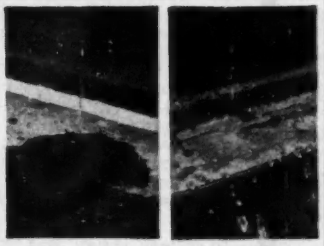
DRI-SIL silicone masonry treatments

- ★ Preserve buildings from the damaging effects of weathering.
- ★ Keep buildings cleaner because water-borne dirt is less liable to penetrate into the surface pores.
- ★ Prevent staining and streaking.
- ★ Do not block the pores of building materials, thus do not inhibit "breathing".
- ★ Improve the thermal insulation of buildings by preventing the absorption of moisture by the walls.
- ★ Prevent spalling or scaling due to frost action on concrete road surfaces and bridges.

The concrete facings of the Royal London House, Bournemouth, are treated with "P.W.A. Solution" based on DRI-SIL 29, supplied by Farrow & Ball Ltd, Verwood, Dorset.



Water will not penetrate silicone treated masonry but moisture from the inside, in the form of water vapour, can still pass through the pores.



Water bounces right off the silicone treated window sill on the right. The untreated sill on the left is thoroughly soaked as soon as water hits the masonry surface.

PROOF OF THE EFFECTIVENESS OF THESE TREATMENTS IS SHOWN IN THIS TABLE		% Water absorption after 24 hours' immersion	
		Initial Test	*Retested after 3 years' natural weathering*
Sandstone	untreated	7·0	6·2
	DRI-SIL treated	0·1	0·2
Cement Block	untreated	6·0	5·9
	DRI-SIL treated	0·4	0·7
Common Brick	untreated	20·0	20·1
	DRI-SIL treated	0·1	0·3

THESE FIRMS SUPPLY WATER-REPELLENT MASONRY TREATMENTS BASED ON DRI-SIL.

Atlas Preservative Co Ltd, Erith, Kent
Lewis Berger (Gt. Britain) Ltd, Chadwell Heath, Essex
Bitulac Ltd, Newcastle-upon-Tyne 1
Bituminous Composition Ltd, Morley
S. Bowley & Son Ltd, London, SW11
British Bitumen Emulsion Ltd, Slough
British Paints Ltd, Newcastle-upon-Tyne 2
Cambridge Timberproofing Laboratories Ltd, Trumpington
Chemical Building Products Ltd (Dept DS 3) Hemel Hempstead
John S. Craig & Co Ltd, Glasgow
Stuart B. Dickens Ltd, Borehamwood, Herts
Duresco Products Ltd, London, SE7
Evode Ltd, Stafford
T. & W. Farmiloe Ltd, London, SW1
Farrow & Ball Ltd, Verwood, Dorset
Floorlife & Chemicals Ltd, London, EC3 and Manchester 17
Joseph Freeman & Sons & Co Ltd, London SW18
Grangersol Ltd, Watford
John Hall & Sons (Bristol & London) Ltd, Bristol
Hydrol Ltd, London, W3
Indestructible Paint Co Ltd, London, W1
Irish Cold Bitumen Ltd, Belfast
Leyland Paint & Varnish Co Ltd, London, W1 and Leyland
George Lillington & Co Ltd, Mitcham
W. J. Leigh Ltd, Bolton
John Line & Sons Ltd, London, W1
Joseph Mason & Co Ltd, Derby
Henry Matthews Ltd, Bristol 1
John Matthews & Co Ltd, Liverpool 3
John Miller & Son Ltd, Brighouse
Mineralite Ltd, Croydon
Montgomerie Stobo & Co (Chester) Ltd, Saltney and at Glasgow
Nubold Development Ltd, Crawley
Ogden & Cleaver Ltd, Luton
Permoglaze Ltd, Birmingham 11
Purimachos Ltd, Bristol 2
R.I.W. Protective Products Co Ltd, Croydon
Ribble Paints & Varnishes Ltd, Blackburn
Ripolin Ltd, Southall
Sealocrete Products Ltd, London, NW10
Silexine Paints Ltd, London, W6
Silicaseal Ltd, Newcastle-upon-Tyne
William Sim & Sons (Paints) Ltd, Edinburgh
Thornley & Knight Ltd, Birmingham 9
Walpamur Co Ltd, Darwen
F. A. Winterburn Ltd, Leeds 6

Architects and contractors are invited to write for full information and details of extensive tests on DRI-SIL masonry treatments carried out in this country and in the U.S.A. DRI-SIL is a registered trade mark of Midland Silicones Limited

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elstree ENGINEERING SERVICES LIMITED
CHESTER ROAD, BOREHAM WOOD, HERTFORDSHIRE

A LAING COMPANY

Partitions : (Minimum 100 yd. super)	*Yd. super rate*			
	2 in.	*3 in.*	*4 in.*	*6 in.*
	s. d.	s. d.	s. d.	s. d.
Clinker concrete slab partitions in cement mortar	9 1	11 6	13 11	—
Cranham terra cotta slab partitions in cement mortar	12 11	15 11	18 10	—
Moler partition block partitions in cement mortar	22 4	23 9	28 0	—
Thermalite-Ytong partition blocks in cement mortar	—	15 5	19 1	27 3

Cuttings :

Raking cutting and waste=⅓ of ft. sup. rate
Circular „ „ „ =½ of ft. sup. rate
Cutting around openings=¼ of ft. sup. rate
Cutting and bonding at angles, intersections and ends all at 6d. ft. run.

BRICKLAYER

	Yd. super rates			
	Plain flettons	*Rough stocks*	*Second stocks*	*Blue wire-cuts*
	s. d.	s. d.	s. d.	s. d.
Brickwork in cement mortar (1 : 3) reduced to one brick thick ...	36 2	49 1	59 0	91 6
Deduct if in 1 : 1 : 6 cement-lime mortar	11	11	11	11
Add if in :				
Filling in openings	5 6	5 6	5 9	7 0
Backing to masonry	2 9	2 9	2 11	3 6
Building overhand	1 9	1 9	1 10	2 1
Raising on existing work	2 9	2 9	2 11	3 6
Circular on plan to quick sweep ...	5 4	5 4	5 7	6 8
Small detached piers, plinths, etc.	8 0	8 0	8 5	10 0
Underpinning	5 4	5 4	5 8	6 8
Brick-on-edge walls	12 4	17 2	20 4	—
Half-brick sleeper walls honeycombed	13 0	17 9	—	—
Half-brick walls	20 2	27 9	32 6	50 0
do. with fair face and pointing both sides as work proceeds	23 2	—	34 8	53 10
One-brick wall with fair face and pointing both sides as work proceeds	41 3	—	64 5	97 5
11 in. cavity brick wall with two half-brick skins with 2 in. cavity and three galvanised iron twisted ties to every yd. sup.	43 10	—	68 6	—

Sundry items :		s. d.
Horizontal double slate damp-proof course ...	Ft. sup.	3 3
Vertical „ „ „ „ ...	„	4 0
Hessian-base bitumen damp-proof course	„	1 6
Levelling and preparing for raising on	„	1 0
Cutting, toothing and bonding new to old	„	3 6
Wedging and pinning with slates in underpinning ...	„	5 0
Rough cutting	„	6
Cutting and fitting brickwork around steel ...	„	6
Bed and point frame one side	Ft. run	4
Rough cutting squint or birdsmouth	„	6
Labour plumbing angles on faced work	„	2½
Rake out and point to lead flashing	„	7
„ „ „ „ stepped flashing	„	10
Cutting groove for skirting and point	„	1 6
Shallow chases for small pipes and conduit	„	1 8
Metal reinforcement 24 gauge 2½ in. wide	„	4½
Faced work : (Flemish bond) :		
Add or deduct for every 10s. per 1,000 difference from basic price of common bricks in Flemish bond in solid work	Yd. sup.	9
do. to half-brick wall in stretcher bond	„	6½
Add for extra labour to each side in facings and pointing as work proceeds	„	3 0
do. butt joints raked out and pointed with special mortar	„	6 0
If built in English bond, add 12½ per cent to above items.		
Labours :		
Fair cutting	Ft. run	1 1
Fair circular cutting	„	1 3
Fair squint or birdsmouth cutting	„	1 8

Copings :		*9 in. wall*	*14 in. wall*
		s. d.	s. d.
Brick-on-edge coping in flettons finished fair and pointing as work proceeds ...	Ft. run	2 3	3 0
Add for every increase by 10s. per 1,000 in cost of superior bricks	„	1	1½
Add for two courses of roofing tiles under and cement weather fillets on both sides	„	3 6	4 3
Cills :			
Two courses of roofing tiles laid breaking joint, in cement mortar, set weathering and pointing ...	Ft. run	3 6	
Arches :			
Extra over fletton brickwork for brick-on-end flat arch 4½ in. on soffit and 9 in. high in facings p.c. 350s. per 1,000 and pointing	Ft. run	3 6	
Extra over fletton brickwork for fair axed arch in stock facings p.c. 350s. per 1,000 and pointing (cuttings measured separately)	Ft. sup.	9 0	

CURTAIN WALLING

Curtain walling of hollow, extruded, aluminium alloy mullion and transom units fixed together to form a grid to conventional steel and concrete framework, including glazing complete and a reasonably priced infilling panel and subject to the number of vents, etc., required, a fair average price is from 22/- to 27/6 per ft. sup.

PAVIOR

	Yd. super rates			
	½ in.	*¾ in.*	*1 in.*	*1½ in.*
	s. d.	s. d.	s. d.	s. d.
Cement screed (1 : 3) to receive pavings	4 4	5 2	6 0	6 10

Add to above for :		d.
Trowelling smooth	Yd. sup.	7
Narrow widths or small quantities—add 25 per cent. to plain surfaces : Laying to falls	„	4

	Yd. super rates			
	1 in.	*1¼ in.*	*1½ in.*	*2 in.*
	s. d.	s. d.	s. d.	s. d.
Granolithic paving (1 : 2½) laid on concrete	8 9	9 10	11 11	13 0

Add to above for :		s. d.
Narrow widths or small quantities—add 25 per cent to plain surfaces.		
Surface hardening with three coats of silicate of soda	Yd. sup.	1 5
Carborundum finish with 2 lb. per yd. sup. trowelled in	„	3 0
¾ in. skirting 5 in. high covered at bottom and fair top edge	Ft. run	2 9
Mitres and ends—7d. each.		
Composition flooring ⅛ in. thick	Yd. sup.	18 0
Terrazzo paving ⅜ in. thick	„	45 0
Rubber flooring ¼ in. thick	„	65 0

ASPHALTER

		Mastic BSS 988	*Natural rock BSS 1162*
Asphalt roofing :		s. d.	s. d.
¾ in. flat to falls in two thicknesses on felt underlay on prepared screed	Yd. sup.	14 3	21 0
do. in small quantities or narrow widths	Ft. sup.	2 3	2 6
6 in. high skirting with angle fillet and splayed edge at top	Ft. run	2 6	3 1
External angles on do.	No.	7	7
Internal angles on do.	„	7	7

		Mastic BSS 1097	*Natural rock BSS 1418*
Asphalt Damp-proof Course and Tanking:		s. d.	s. d.
Vertical damp-proof course in 2 thicknesses	Yd. sup.	22 0	28 0
do. in narrow widths	Ft. sup.	3 0	3 7
¾ in. Horizontal damp-proof course in two thicknesses	Yd. sup.	14 10	18 3
do. in narrow widths ...	Ft. sup.	2 3	2 6
Vertical tanking in three thicknesses ...	Yd. sup.	31 3	36 9
1½ in. Horizontal do. in three thicknesses	„	25 0	29 2
Labour double angle fillet	Ft. run	1 8	1 8

DRAINLAYER

	Per yd. run Depth of trench				
	2 ft.	3 ft.	4 ft.	5 ft.	10 ft.
	s. d.	s. d.	s. d.	s. d.	s. d.
Excavate trench, part return fill and ram and remove surplus, inc. planking and strutting. (In firm soil—if in clay or chalk adjust in accordance with previous excavation rates)	8 0	21 0	28 0	35 0	103 2

	Per yd. run		
	4 in.	6 in.	9 in.
	s. d.	s. d.	s. d.
Concrete (1 : 6–1½ in. agg.) 12 in. wider than external diameter of pipe in 4 in. bed and benching up on both sides	8 0	8 10	11 3
do. but 6 in. bed and do.	9 7	11 3	13 7
do. but 4 in. bed and surround to pipe	11 7	14 5	19 0
do. but 6 in. bed and surround to pipe	15 7	18 10	23 9
	Per ft. run		
Salt glazed drain pipes laid and jointed in trench (Minimum two-ton loads) :	4 in.	6 in.	9 in.
	s. d.	s. d.	s. d.
'Seconds'	2 8	3 9	5 11
'Best'	2 10	4 1	6 1
'Best Tested'	3 6	5 0	8 3
'British Standard'	3 0	4 4	7 0
'British Standard Tested'	3 8	5 4	8 6
Extra for bends 'Best' quality	4 0	5 10	16 10
Extra for junctions 'Best' quality	7 0	9 10	21 3
Cast-iron drain pipes to BSS 437 laid and jointed with molten lead in trench	16 11	24 9	—
Extra for :			
Short lengths	4 0	5 0	—
Bends and extra joints	25 6	68 7	—
Junctions and do.	51 5	117 5	—
Cast-iron gulley trap with 9½ in. x 6½ in. grating and joint	45 0	—	—
Cast-iron rainwater shoe with vertical inlet, inspection door and bedding and joints ...	70 0	—	—
Cast-iron inspection fittings with single branch fitting one side	163 6	—	—

Manhole items :		4 in.	6 in.
		s. d.	s. d.
Brown glazed stoneware straight half-round channels	Each	5 3	7 6
do. ordinary channel bends	,,	11 9	16 9
Three-quarter section curved channel bends with splayed ends	,,	15 0	21 6
Cast-iron heavy galvanised steps	Each		13 0
Bedding and sealing medium weight manhole covers and frames (cost of cover to add)...	,,		10 0
do. heavy road covers and frames	,,		13 0

MASON

	Per ft. cube		
	Bath	Portland	York
Stone and all labours fixed in:	s. d.	s. d.	s. d.
Ashlar average 6½ in. on bed ... Ft. sup.	31 6	35 9	38 6
Moulded string course 9 in. x 6 in. Ft. run	27 0	29 8	32 6
Moulded cornice 18 in. x 9 in. ... ,,	68 3	74 3	79 3
Weathered and throated cills:			
9 in. x 3 in. ... ... ,,	17 0	19 3	19 9
12 in. x 6 in. ... ... ,,	34 0	36 3	38 6
Weathered and throated copings:			
12 in. x 3 in. ... ... ,,	18 6	20 0	20 7
14 in. x 6 in. ... ... ,,	37 6	41 3	43 6
Plinth rubbed top and face size:			
4½ in. x 9 in. ... ... ,,	18 8	21 0	19 3
Plain steps, size 12 in. x 6 in. ... ,,	—	—	34 3
,, ,, ,, 14 in. x 2 in. ... ,,	—	—	16 0
Riser, size 2 in. x 4 in. ... ,,	—	—	7 6
2 in. Sawn paving edges squared in random sizes ... ... Yd. sup.	—	—	93 6
Supplied only:			
Templates and cover stones coped edges ... ... Ft. cube	—	—	29 9

ROOFER

	Yd. sup.
	s. d.
Bituminous built-up roofing in two layers of felt, the first layer 45 lb. and the second 55 lb. to BS747, covered with limestone or granite chippings n.e. ¼ in. thick	10 0
All as above but in three layers, the first and second layers in felt 45 lb.	13 9

	Steel Tees at	
	2 ft. 0½ in. centres	4 ft. 0½ in. centres
2 in compressed straw building slabs in standard sizes fixed complete with 18G steel tees with fixing clips to steel structure to form roof decking :	s. d.	s. d.
Areas of 50–100 yds. sup.	27 8	21 4
,, 101–250 ,, ...	26 10	20 9
,, 251–750 ,, ...	26 0	20 3
,, Over 750 ,, ...	25 2	19 4
If 16G steel tees are used—Add to above ...	1 5½	9

Welsh Slating	Per square		
	16in.x8in.	18in.x10in.	20in.x10in.
	s. d.	s. d.	s. d.
Laid with 3 in. lap and 2 zinc nails each slate	380 0	408 0	499 0
Additional labours:			
Top edge cutting ... Ft. run	9	9	9
Square abutment do. ,,	9	9	9
Double course at eaves... ,,	1 3	1 3	1 3
Raking, cutting and waste ,,	11	11	11
1½ in. x ⅜ in. slate battening for last ... ... Per sq.	36 9	33 0	29 3

Roof Tiling	Per square		
	Berkshire hand-made	Stafford machine made	Concrete Tiles
	s. d.	s. d.	s. d.
Roof tiling with 10½ in. x 6½ in. tiles laid to a 4 in. gauge, every fourth course fixed with two galvanised nails	264 0	253 0	163 3
1 in. x ⅜ in. tile battening for last... ...	39 6	39 6	39 6
Additional labours:			
Top edge cutting ... ... Ft. run	9	9	9
Square abutments do. ... ,,	9	9	9
Raking cutting to hips ... ,,	11	11	11
Eaves course ... ... ,,	11	11	11
Half-round ridge and hip tiles ,,	2 11	2 11	2 11

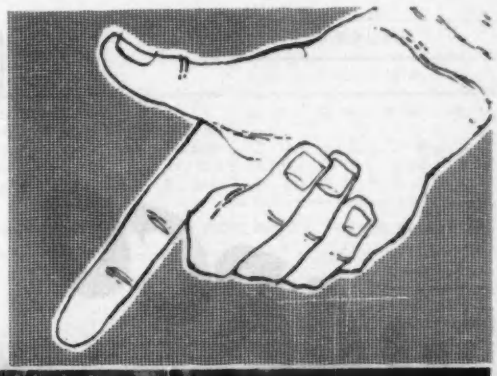
CARPENTER AND JOINER

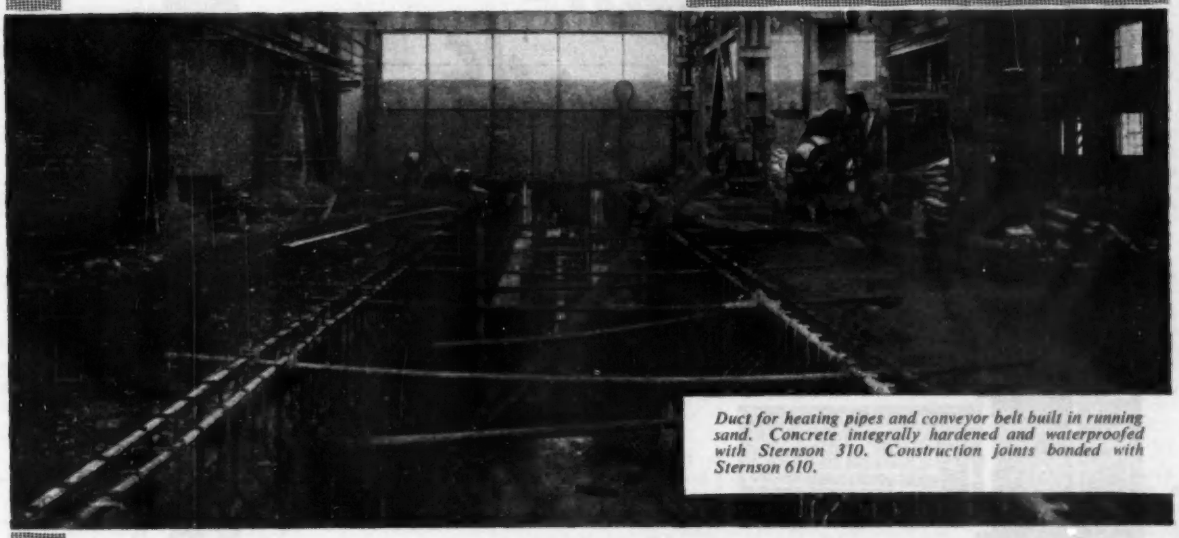
	Ft. cube			
	Plates	Joists	Rafters & Partitions	Roof trusses
	s. d.	s. d.	s. d.	s. d.
Softwood carcassing, including all waste, nails, hoisting and fixing	17 0	19 6	22 6	26 6

	Per square		
	⅜ in.	1 in.	1¼ in.
Boarding and Flooring: (Softwood):	s. d.	s. d.	s. d.
Rough boarding to flats and roof ...	125 0	160 0	194 0
Softwood plain edge flooring cleaned off	155 0	172 0	210 0
Tongued and grooved flooring cleaned off	169 0	194 0	235 0

		s. d.
Extra for 2 in. x 3 in. average firrings	Per sq.	81 0
Herringbone strutting to 2 in. x 8 in. joists	Ft. run	1 10
1 in. gutter boarding and bearers	Ft. sup.	3 8
Raking cutting and waste on 1 in. flooring	Ft. run	9
Composition Boards, etc.:		
⅛ in. hardboard to BS 1142 fixed to vertical battens	Yd. sup.	6 8
½ in. insulation board to BS 1142 do. do.	,,	6 10
1 in. woodwool slabs fixed to flat or sloping soffits	,,	9 6
2 in. compressed straw building slabs in standard sizes fixed to wood bearers to flat or sloping surfaces in quantities of 101 to 250 yds. super	,,	14 8
¼ in. flat asbestos sheeting fixed vertically	,,	10 6

To assist you in a concrete way





Duct for heating pipes and conveyor belt built in running sand. Concrete integrally hardened and waterproofed with Sternson 310. Construction joints bonded with Sternson 610.

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The science of reliable waterproofing and hardening admixtures for concrete is now so advanced, the advantage to be gained by using them so great, that their use should be taken into consideration during the design stage of any structural or civil engineering project.

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STERNSON No. 205
Transparent Surface Waterproofer.

STERNSON No. 300
Waterproofing Admixture for Concrete and Mortar.

STERNSON No. 310
Concrete Accelerator, Hardener and Dustproofer.

STERNSON No. 340
Concrete Accelerator, Hardener and Dustproofer.

STERNSON No. 355
To Rapid-Set Cement for Waterproofing Operations.

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Metallic Jointing Material for Concrete or Brick.

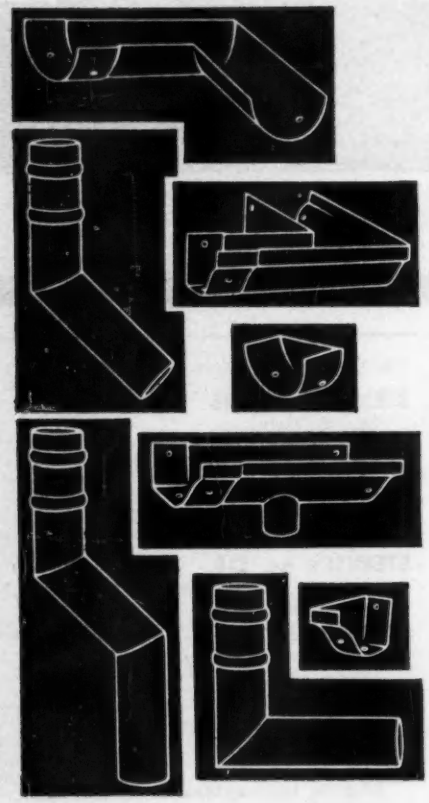
STERNSON No. 610
Metallic Bonding between old and new Concrete.

STERNSON No. 620
Metallic Hardener for Heavy Duty Concrete Floors.

MULSIBOND
Bonder for Plaster and Cement Renderings.

MOLDCOTE
Surface Hardener for moulds.

'HARCO' Rainwater Goods



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Wood Block Flooring:

1 in. nominal West African mahogany flooring laid herringbone pattern in mastic	,,	34	6
1 in. do. Agba	,,	34	6
1 in. do. Sapele	,,	36	3
1 in. do. Beech	,,	39	0
1 in. do. Rhodesian Teak	,,	52	0

Extra for preparing and polishing 2/3 yd. sup.

	Sectional area		
	n.e. 4 in.	4–6 in.	ex. 6 in.
Skirtings:	s. d.	s. d.	s. d.
Softwood skirting with rounded or moulded edge, planted on including all labours in short lengths, mitres, etc., per in. in sectional area	3¾	3½	2¾

Labours over 6 in.—Mitres=1 ft. run. Return mould ends=1 ft. 6 in. run
Sawn grounds nailed 3¼d. ft. run. If plugged+7d. ft. run.

	Ft. super	
	Large sqrs.	Small sqrs.
Sashes and Frames: (Softwood):	s. d.	s. d.
1½ in. rebated, rounded or moulded fixed	3 6	5 8
2 in. ,, ,, ,, ,, ...	3 11	6 0
Add for hanging on butts ... ... each	2 9	2 9
Double-hung sashes and frames with oak cills, purpose-made and not less than 1 doz. in each order: Quantities under 1 doz.—add up to ½ according to quantity. (Average size 4 ft. x 5 ft.)	10 6	12 3

Extra cost of boxed mullions 1s. ft. sup.
Extra for hanging sashes with lines, weights and axle pulleys 47s. each.

	Ft. super			
	1¼ in.	1½ in.	1¾ in.	2 in.
Doors: (All-purpose-made) (Softwood)	s. d.	s. d.	s. d.	s. d.
Softwood skeleton framed with hardboard flush both sides (standard internal pattern)	3 6	3 11	4 4	4 9
Framed, ledged and braced	—	5 0	6 1	6 3
Four panel square framed both sides	4 9	5 6	6 6	6 9
Add for each side moulded on last...	6	6	6	6
do. flush framed	1 0	1 1	1 3	1 3
do. bead and butt do.	1 3	1 4	1 6	1 6
do. bolection moulded do.	1 6	1 6	1 6	1 6
do. raised and fielded do.	—	2 3	2 3	2 3

Rebated and beaded meeting stile 4d. ft. run.
Dwarf doors add up to 50 per cent according to size.

	Sectional area		
	n.e. 6in.	6-12 in.	ex. 12in.
Window and Door Linings and Frames:	s. d.	s. d.	s. d.
Softwood linings per inch of sectional area	4½	4	3½
Add for cross-tongueing	—	1	¾
Frames, including rebating and once moulded or equivalent of two run labours, per sectional inch	4	3½	3

Transomes and cills plus 10 per cent on frames.
Additional run labours plus 1½d. per ft. run.

	Per ft. run			
	Sectional area			
	1 in.	2 in.	4 in.	6 in.
Softwood Bearers, Fillets and Mouldings, etc:	s. d.	s. d.	s. d.	s. d.
Wrot grounds, bearers, fillets, etc.	4½	7	11	1 3
Mouldings, picture rails, architraves, etc.	5	7½	11½	1 4
Framed legs and bearers or similar	9	11	1 4	1 10
Glazing beads, mitred and bradded	6	8½	—	—
Add for plugging	6	6	6	6
Add for brass cups and screws ...	2½	2½	2½	2½

	Thickness			
	¾ in.	1 in.	1¼ in.	1½ in.
Shelving (Softwood):	s. d.	s. d.	s. d.	s. d.
Slat shelving 2 in. wide spaced 1 in. between ... ... Ft. sup.	2 0	2 3	2 8	3 0
9 in. shelving ... ... Ft. run	2 0	2 4	2 10	3 5
Shelving over 9 in. wide... Ft. sup.	2 7	2 11	3 6	4 1

1 in. x 2 in. chamfered bearers in short lengths, plugged, each 2s. 3d.

	Ft. super	
	1 in. treads	1¼ in. treads
Staircases (Softwood):	s. d.	s. d.
Treads and risers with moulded nosings, glued, blocked and bracketed on carriages	6 0	6 9
Cross-tongued winders	8 0	9 0

		s. d.
Strings, framed	Ft. run	4 7
Housings for treads and risers	Each	3 0
1 in. x 1 in. sq. balusters framed each end on rake ...	,,	4 0
3½ in. x 3½ in. sq. framed newel	,,	5 0
Mahogany handrail, average 3 in. x 3 in....	Ft. run	8 6
,, ,, ramped	,,	25 0

FIXING ONLY IRONMONGERY

All to Softwood:	Each s. d.		Each s. d.
Barrel bolts	1 9	Rim locks	5 0
Flush bolts	6 0	Mortice locks	10 6
Sash fasteners	3 3	Overhead door springs...	14 0
Casement fasteners ...	2 3	Patent floor springs and oil	35 0
Cupboard locks	5 0		

FOUNDER AND SMITH

		s. d.
Fabricated steelwork of basis section including hoisting and fixing at various levels:		
Rolled steel joists	per cwt.	90 0
Compound girders	,,	97 0
Stanchions	,,	102 3
Compound stanchions	,,	108 0
In roof work—trusses and purlins	,,	122 0
(Average prices, not for awkward work)		
Cleats, brackets, packing pieces, etc., in connections, including rivets and bolts	,,	147 6
Wrot iron framed cat ladders	,,	148 0
	to	168 0

PLUMBER

		Per ft. run		
		3 in.	4 in.	5 in.
Cast iron rainwater goods: (Under 5 cwt. lots):		s. d.	s. d.	s. d.
Half-round gutter jointed in red lead and bolted and fixed with iron brackets		3 2	3 9	4 7
Extra for stop ends	each	2 5	3 0	3 11
do. angles or outlets	,,	5 10	6 2	7 3
O.G. gutter of ⅛ in. metal fixed as above		3 8	4 2	4 11
Extra for stop ends	each	2 9	3 4	4 4
do. angles or outlets	,,	6 7	6 9	8 1
		2 in.	3 in.	4 in.
Rainwater pipe jointed in red lead and tow fixed to brickwork with pipe nails and distance pieces: ⅛ in. metal		4 3	4 10	6 3
Extra for shoes	each	5 0	6 10	9 2
do. bends	,,	5 9	8 1	10 4
do. junctions...	,,	7 9	11 0	14 1
Cast iron soil and waste pipes: (Under 5 cwt. lots):		2 in.	3 in.	4 in.
Soil, waste or ventilating pipes with caulked joints fixed to brickwork with pipe nails and distance pieces: 13/64 in. metal		6 1	7 2	9 5
Extra for bends	each	13 6	16 0	20 0
do. junctions...	,,	16 9	23 2	29 0
do. oval access door to any fitting	,,	16 6	16 6	21 3
Extra cost for type 'E' holderbat fixing and cutting and pinning to brickwork	ft. run	1 5	1 6	1 6½

	Soakers	Flats	Gutters, valleys, etc.	Flashings	Stepped Flashings
External leadwork: (Over 1 ton): Milled lead and labour in per cwt.	s. d. 144 0	s. d. 167 0	s. d. 178 0	s. d. 184 0	s. d. 194 0

Labours, etc.: Double welt	ft. run	1 0
Copper nailing: Open	,,	7
Close	,,	1 0
Soldered seam	,,	6 6

		2 *in.* x 10 *lb.*	3 *in.* x 15 *lb.*	4 *in.* x 19 *lb.*
Lead pipes: (Over 1 ton):		s. d.	s. d.	s. d.
Soil, waste and ventilating pipes, fixed to walls with plain lead tacks and brass screws	per ft.	10 11	14 5	18 10
Extra for: Lengths under 4 ft. ...	,,	3 0	3 6	4 6
Bends	No.	12 0	23 0	24 0
Wiped soldered joints...	,,	19 6	29 0	33 0
,, branch joints	,,	23 9	34 3	38 6

	Per ft. run					
	½ *in.*	¾ *in.*	1 *in.*	1¼ *in.*	1½ *in.*	2 *in.*
Lead pipes including running joints:	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
Main in trench ...	3 6	5 3	7 9	9 9	12 5	17 3
do. fixed with hooks	4 2	6 1	9 0	11 2	14 0	19 1
Service and do. ...	3 6	5 2	7 1	8 6	10 8	13 10
Waste and do. ...	2 9	4 0	5 8	6 9	8 6	11 2
Extra for lengths under 4 ft. ...	9	1 0	1 6	1 8	1 11	2 6
Soldered stop ends ... ... No.	2 6	3 0	3 8	4 5	5 4	6 6
do. joints to fittings ... ,,	6 6	9 2	10 10	13 2	16 0	19 5
do. branch joints ... ... ,,	7 2	10 1	12 0	14 6	17 8	21 4
Brasswork:						
Union with red lead joint to iron and soldered joint to lead ... ... ,,	12 0	14 9	18 3	22 2	27 6	40 1
Stop-cock and soldered joints ... ... ,,	21 0	30 8	43 7	69 8	89 3	166 5
Bib-cock do. ,,	18 6	24 9	—	—	—	—
Ball-valve do. ,,	18 0	30 4	43 3	71 5	89 3	—
Steel tubing:						
Galvanised tubing Class C laid in trench	2 4	2 6	2 10	4 1	5 6	6 6
do. Class B fixed to walls, etc. ...	2 7	3 0	3 4	4 4	6 1	7 0
Extra for bends No.	5 0	5 9	7 6	9 9	11 6	17 0
Tees ,,	5 8	6 9	8 1	10 6	12 9	18 6
Red lead joints ,,	3 6	3 9	4 0	4 6	5 0	5 6
Copper tubes and fittings: gauge	19	19	18	18	18	17
Tubes and fixing to walls	2 7	3 4	4 6	5 4	6 3	9 1
Extra for lengths under 4 ft.	7	9	11	1 0	1 3	1 6
Brass capillary type fittings:						
Couplings—copper to copper	3 8	4 4	6 8	8 8	11 0	15 0
Bends— do. ...	5 9	7 0	8 10	11 6	17 0	32 0
Tees— do. ...	8 6	9 10	14 0	19 0	26 0	36 0
Stop cocks	23 6	33 0	60 0	101 0	152 0	250 0
Tank connectors ...	4 8	5 3	8 0	10 0	14 0	18 0

PLASTERER

		s. d.
Expanded metal lathing ⅜ in. mesh 24 gauge ... ... (not including hangers for suspended work)	Yd. sup.	7 8
Lime Plastering: Render, float and set	,,	9 3
Sirapite Plastering: Render and set	,,	7 0
Portland Cement: Plain face trowelled smooth ...	,,	8 3
Keenes: Render in cement and lime and set in Keenes	Yd. sup.	9 9
Extra for dubbing out ¼ in. thick 1/11, ½ in. thick 3/4 ⅜ in. Plasterboard and setting coat in Sirapite ...	,,	8 9

Narrow widths: Up to 3 in. wide add 100 per cent. Do. 6 in. do. 75 per cent. Do. 6 in. to 12 in., add 33⅓ per cent.

Labours: Arris 4½d. Fair edge 6½d. Quirk 9½d.

Plaster Moulded Cornices: 6 in. girth and under ...	Ft. run	3 0
Over 6 in. girth, add 4d. per in.		
Tyrolean Rendering with three coat Cullamix finishing	Yd. sup.	11 6
Wall Tiling: 6 in. x 6 in. white glazed ¼ in. thick ...	,,	45 0
Extra for rounded angle or birdsbeak	Ft. run	4
do. rounded edge tile	,,	5

GLAZIER

	Wood sashes with beads or putty s. d.
Clear sheet glass ordinary quality:	
18 oz.	1 3
24 oz.	1 6¼
26 oz.	1 8½
32 oz.	2 1
Obscured glass:	
⅛ in. Figured rolled White group 1	1 7½
,, ,, ,, group 2	1 11¼
,, ,, Standard tints	2 6¾
⅛ in. Pinstripe, Hammerstripe, Reeded, Reedlyte and luminating group 3	2 0½
¼ in. Wired Cast	2 3¾
¼ in. Georgian Wired Cast	2 4
¼ in. Polished Plate Glass, G.G. Quality:	
In plates not exceeding 2 ft. sup.	6 4
,, ,, ,, 5 ft. sup.	7 4
,, ,, ,, 45 ft. sup.	8 4
,, ,, ,, 100 ft. sup.	8 10
Extra on all above:	
For glazing with screw beads ft. sup.	5½
(Excepting polished plate over 12 ft. super on which no extra is charged)	
For glazing with metal sashes with putty	1
Glazing bedded in washleather ... ... Ft. run	8½

PAINTER

		s. d.
Limewhiting: Prepare and two coats on brick ...	Yd. sup.	1 2
Whitening: Prepare and two coats on plaster ...	,,	1 5
Washable distemper: Prepare and two coats on plaster	,,	1 10
Emulsion paints: Prepare and two coats on plaster ...	,,	3 0

Painting with oil colours:	Yd. super 1 coat	2 coats	3 coats
	s. d.	s. d.	s. d.
Prepare and paint on plaster	2 3	4 3	6 3
On Steel:			
Plain surfaces	1 10	3 7	5 4
Roof trusses	2 4	4 7	6 10
Metal casements divided into squares ...	3 4	6 7	9 10
do. divided into large squares ...	2 7	5 0	7 5
Opening edges ... ... Each	8	1 3	1 10
Small pipe ... ... Yd. run	6	1 0	1 5
Rainwater pipe ... ... ,,	1 0	1 11	2 9
Gutter ... ... ,,	1 4	2 6	3 8

	Knot prime and stop	Add for each extra coat
On Woodwork:	s. d.	s. d.
General surfaces ... ... Yd. sup.	2 10	2 3
On work not exceeding 3 in. girth ... Yd. run	4½	3½
Add to last for every additional 3 in. in girth	3¼	2¾
Sash squares on one side ... ... Doz.	5 6	4 6
Large ,, ,, ,, ... ,,	8 6	8 0
Opening edges ... ... No.	9	8

		s. d.
Oiling Hardwood: Two coats with linseed oil ...	Yd. sup.	1 4
Creosote: Two coats on woodwork	,,	1 7
Polishing—New Work:		
Staining and wax polishing hardwood	Ft. sup.	1 1
Staining, bodying in and full french polishing on hardwood	,,	2 6
Old Work previously polished:		
Preparing old work and repolishing	,,	1 2
Stripping, preparing and repolishing	,,	3 1
Papering:		
Preparing, sizing and hanging lining paper	per piece	10 6
do. do. Wallpaper, p.c. 10s.	,,	19 6

COSELEY

Work in progress on steelwork and sheeting simultaneously for the fourteenth Coseley Building to be erected for the Rover Co. Ltd., at Solihull. Completed in approximately six weeks, this assembly shop for Landrovers measures 700ft. long × 75ft. wide × 20ft. to eaves.

economy with quality

The makers of a motor car famous for the quality of its craftsmanship naturally select a building which enjoys a similar reputation for design, durability and dependability. This is true economy.

SEND FOR OUR BROCHURE.

Coseley Buildings Ltd

ANESFIELD · WOLVERHAMPTON · ENGLAND

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— buildings for all purposes —

— buildings for all climates —

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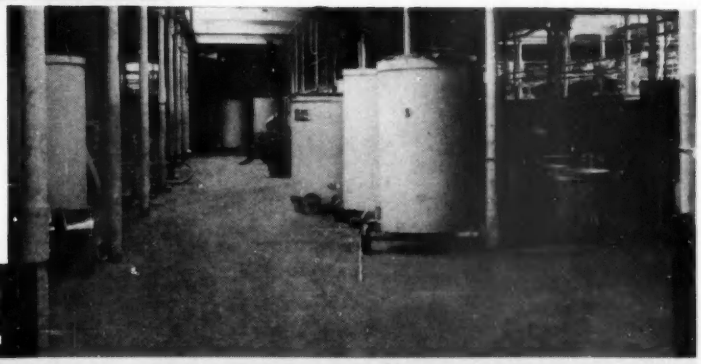

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TECHNICAL REVIEW

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Insulated Unit Constructions Ltd., 17A Newmarket-street, Hereford.

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Barnes and Fletcher Ltd., 75 Baker-street, W1.

KITCHEN EQUIPMENT

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Most users will prefer this unit to be fitted with the boiling burner pan supports just clear of the adjacent working tops so that utensils can easly be moved on to and off the hotplate. The hotplate has four boiling burners with detachable caps. The grill burner is situated centrally beneath the hotplate top.

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Stainless steel fairings are provided to ensure that both the units can be fitted neatly into place without gaps and the units are insulated or otherwise screened to avoid any possibility of overheating neighbouring structures. The units are available in cream or white. (Illustration.)

Radiation Group Sales Ltd., Radiation House, Stratford-place, W1.

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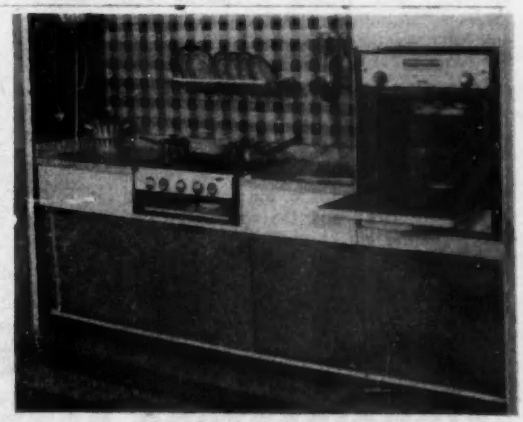
Simmonds Aerocessories Ltd., Treforest, Glamorganshire.

left: Laying a floor in 'Durabella' hardwood blocks. The blocks are being hammered into position on the wet screed. By the workman's left hand are two inverted blocks on which the corrugated metal fasteners can be seen



above: The 'New World Seventy-Two' build-in gas cooker installed in a range of kitchen cabinets. A number of variations on the relative positions of hotplate unit and oven are possible allowing greater flexibility in the planning of the kitchen

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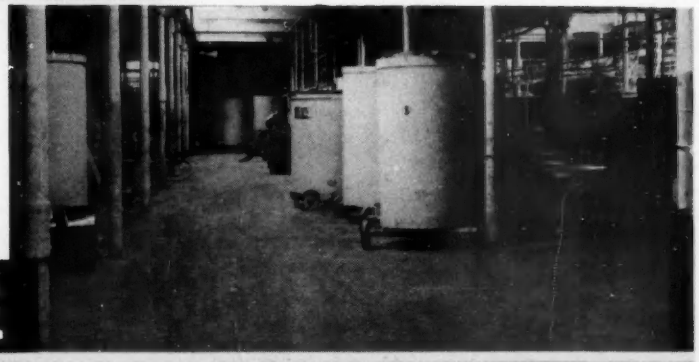

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NEW ZEALAND HOUSE

Building Contract Placed

THE New Zealand Government has awarded a firm contract to Messrs. Holland & Hannen and Cubitts Ltd., of London, for the first phase of the erection of the New Zealand House in London, at the corner of the Haymarket and Pall Mall.

The successful contractors submitted the lowest total tender of the ten received. This was announced on April 30 in Wellington by the Prime Minister, Mr. Walter Nash, who said that the first of the two phases into which the contract was split entailed the excavation, foundation and sub-structure up to ground level. The second phase will be the construction of the above-ground structure, and for this a provisional tender submitted by Messrs. Holland & Hannen and Cubitts has also been accepted, subject to later confirmation of actual cost when detailed drawings and quantities are available.

Tenders Below Estimates

Mr. Nash said it was of interest to note that all ten tenders submitted were substantially below the original estimates, and the closeness of tendering showed that the time chosen for inviting tenders, in relation to the state of the market, coupled with the considerable prestige attaching to the contract, had resulted in unusually keen competition. Completion of the first phase is scheduled for December 31, 1959; the second phase is scheduled to start in October, 1959, with a contract period of 18 months, so that the building should be finished in March, 1961.

'We are particularly pleased to have won the New Zealand House contract,' said Mr. E. R. Hole, managing director of Cubitts, 'and our New Zealand associates, Cubitt Wells Ltd., will work with us on this contract. They are at this moment building the largest office block in Wellington for the New Zealand Government. We shall now bring over New Zealand engineers and apprentices to take part in erecting New Zealand House.' The estimated cost of the whole building is £1,750,000.

Architects for New Zealand House are Messrs. Robert Matthew and Johnson-Marshall, F/ARIBA; consulting engineers are Scott and Wilson, Kirkpatrick and Partners; and quantity surveyors Franklin and Andrews. Services consultants are Roger Preston and Partners.

LIVERPOOL DEVELOPMENTS

Proposals for Multi-Storey Flats

LIVERPOOL CITY COUNCIL is contemplating a number of ambitious schemes which include provisions for a big improvement to the Pier Head and the construction of flats including blocks of 22 storeys in the city centre.

Proposals regarding the Pier Head schemes have been provisionally approved by the Corporation Finance Committee, and it is hoped work will start during the present financial year. They provide for the concentration of buses at the northern end of the Pier Head, ornamental gardens, the banning of cars, a promenade and a Maritime Museum and a new Customs House.

The site for the proposed multi-storey flats is in the centre of the city and the scheme embraces blocks ranging from 11 to 22 storeys. The site forms part of a blitzed area, and is at present mostly utilised as a parking ground for private cars and coaches.

HOUSING PROBLEMS IN NORTH-WEST SURREY

New Town Suggested

A NEW TOWN to accommodate the ever-growing population in north-west Surrey, many thousands of whom are now living in caravans, is among the proposals recommended by a conference of representatives of five neighbouring local authorities in the area. Further discussions are to be held after these authorities have had an opportunity of reviewing suggestions.

The conference was convened by Chertsey Urban Council and included representatives from the urban councils of Chertsey, Egham, Staines, Walton and Weybridge and Woking. The discussions were concerned with caravan and housing problems, and the representatives agreed on three points to be referred to the Councils concerned.

They were: (1) An endeavour to secure firmer planning control on the use of caravans and caravan sites; (2) the possibility of more houses becoming available, both nationally and locally, for letting and for sale; and (3) an approach to the Minister of Housing and Local Government on the possibility of an existing new town taking, or another new town being built to take, the overspill population from local authorities in that area.

North-west Surrey is the part of the county most affected by the caravan problem, and there has been particular bitterness in the Chertsey and Egham areas, where many dozens of caravans remain on unauthorised sites. It has been estimated that the caravan population in the area is several thousands.

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LAW REPORT

NOTTINGHAM CORPORATION'S APPEAL DISMISSED IN CONTRACT CASE

Court of Appeal, Before Lord Goddard and Lords Justices Romer and Pearce

Nottingham Corporation v. F. G. Minter Ltd.

THE Court of Appeal on April 29 dismissed an appeal by Nottingham Corporation against Mr. Justice Barry's judgment on May 13 last year for F. G. Minter, Ltd., builders, of Buckingham Gate, London, SW, in an action concerning a contract for £749,500 for the erection of Nottingham technical college.

In January, 1956, the builders gave to a joint committee a notice determining the contract because £24,470 due to them had not been paid. It was agreed that the work be completed, and, if a judge held that the notice was valid, about £32,000 would be paid to the builders.

Mr. Justice Barry decided that the Corporation had, by their conduct, held out the committee as their agents. He also held that the Corporation were the employers, and that the builders' notice was valid.

MR. C. N. SHAWCROSS, QC, for the Corporation, submitted that the notice should have been served on them. Nothing was due to the builders until 14 days after a certificate had been presented. They treated the committee as their employers.

LORD GODDARD: Perhaps if the builders had had a solicitor on the premises he would have told them to send a notice to both the committee and the Corporation. I am not surprised that the builders thought that their real employers were the committee. They asked for payment and could not get it, so they said they would not go on with the job.

The court did not call on Mr. R. D. Stewart-Brown, QC, for F. G. Minter, Ltd.

LORD GODDARD, giving judgment, said that three local authorities, Nottingham Corporation, and Nottinghamshire and Derbyshire County Councils, desired to build the college, and, as all three would be contributors to the cost and would be represented on the governing body, a joint committee was appointed. The Corporation were technically the builders' employers, the contract having been made with them. It turned out that the contract was not very profitable for the builders. Two of the architect's certificates were not paid in due time, and the contractors gave notice to determine the contract.

It had been said that the notice was not given to the Corporation, but his lordship thought that the joint committee had express authority to receive it and that the builders were entitled to send it to them.

LORDS JUSTICES ROMER and PEARCE agreed. The appeal was dismissed, with costs. Leave to appeal to the House of Lords was refused.

HOUSING PROGRESS REPORT

Figures for March Quarter

THE Housing Progress Reports presented to Parliament show that the number of permanent houses completed in Great Britain during March was 23,627 compared with 24,643 in March, 1958. Details of the returns for the March quarter will be published in a future issue.

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NEWS IN BRIEF

Employment in Building

THERE was a decrease of 9,554 in the numbers of unemployed in building and contracting between March 9 and April 13, states an industrial analysis of unemployment issued by the Ministry of Labour and National Service.

Industrial Building

In the first quarter of 1959 industrial development certificates were issued for a total area of 15.6 million sq. feet, about 36 per cent above the quarterly average for 1958.

The late Mr. R. P. Bannister

We regret to record the death of Mr. Robert P. Bannister, late of Messrs. Thomas & Wilson, Ltd., fibrous and solid plaster workers, of 454 Fulham-road. Mrs. Bannister and family and directors and staff express thanks for messages of sympathy received.

Rubber Flooring

At the annual general meeting of the British Rubber Flooring Manufacturers' Association, held recently, the following officers were elected for 1959-60: chairman: Mr. B. M. Fawkes, Rubberware, Ltd.; vice-chairman: Mr. T. H. Brooke, Redfern's Rubber Works Ltd.

Houses for Architects

Leicester City Council have been recommended to offer to provide housing accommodation at economic rents with eight posts for architectural and planning assistants. Only 15 of 21 qualified architectural assistant posts are filled despite repeated advertising. There are seven vacancies for qualified planning assistants.

£17m. Hospital Building Programme

A £17m. building programme is planned in the Sheffield Regional Hospital Board area, said Mr. A. V. Martin, chairman of the board at the Chesterfield Royal Hospital nurses' prizegiving on April 18. The programme includes both new hospitals and modernisation of old ones. Mr. Martin said there was 'a tremendous amount of work to be done' and revealed that there were to be new hospitals for Barnsley, Doncaster and Chesterfield, extensions to a hospital at Aston Hall, and a new radio-therapy centre in Sheffield which would cost nearly £1m.

Battersea Heliport

It has been pointed out to us that the Battersea Heliport (a view of which was shown in our last issue) was built for Westland Aircraft by Messrs. W. & C. French, Ltd., of Buckhurst Hill, Essex, as the main contractors, with Messrs. Lewis & Duvivier as the consulting engineers. The whole of the pile-driving, the construction of the landing stage, the construction of the car park, parking ground, slipway, etc., formed the major part of the contract. Messrs. W. J. Simms, Sons & Cooke, Ltd., were nominated sub-contractors to the main contractors, and as such were responsible for the prefabricated system of building the control tower and waiting rooms, for which Mrs. C. Oboussier, ARIBA, was the architect, this forming only a small part of the contract.

COMPANY NEWS

Rugby Portland Cement Co., Ltd., recommend payment, on June 1, 1959, of the following dividends on the shares of the parent company: Ordinary shares—1s. 3d. a share (less tax); 'A' shares—1s. 6d. a share (less tax), for the year ended December 31, 1958.

Rawlplug Company, Ltd., recommend the payment of a final dividend of 37½ per cent (less tax) on the the ordinary shares of the company for the year ended December, 31, 1958.

Blaw Knox Ltd., recommend payment of a final dividend of 20 per cent (less tax) on the ordinary shares of the company for the year ended December 31, 1958.

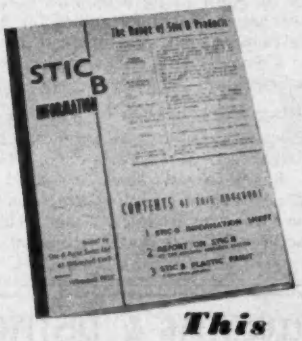
Limmer and Trinidad Lake Asphalte Co., Ltd. recommend payment of a final ordinary dividend of 9 per cent (same) on the shares of the company.

PERSONAL COLUMN

Stevens & Adams Ltd., flooring specialists, of Victoria Works, Osiers-rd., Point Pleasant, Wandsworth, SW18, announce that MR. A. E. CUMINGS has been appointed chairman of the company in succession to the late Air Vice-Marshal C. A. Stevens, CB, following his death last November. Mr. A. E. Cumings recently completed 40 years' service with the company and will continue as managing director.

'SNAPDEK' LTD., Chester-st., Aston, Birmingham 6, manufacturers of insulated aluminium roof decking, announce that MR. D. BIGNELL and MR. J. WALKER, have been appointed technical representatives for the 'Snapdek' system of aluminium decking, roof and wall cladding, to cover the southern and northern counties respectively, and their services will henceforth be available to the industry in this capacity. The services of MR. A. W. RUSSELL will continue to be available in the midland counties.

MR. CARROLL J. PALMER has been appointed managing director of US Rubber International (Great Britain) Ltd., as successor to MR. R. D. HUNT, who at the beginning of the year became deputy managing director of The North British Rubber Company of Edinburgh and Dumfries.



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TRADE NEWS

Tests and Reports

TWO of the materials produced by the Burgess Products Co., Ltd., PO Box 11, Hinckley, Leicestershire, have recently been tested by independent organisations and reports have been issued. The Burgess square edged acoustic tile has been tested by the National Physical Laboratory and the reverberation absorption coefficients given are 0.20 for a frequency band of 125 c/s, 0.55 for a band of 250 c/s and .80 for bands of 500, 1,000, 2,000 and 4,000 c/s.

A Burgess-Sulzer radiantly heated acoustic ceiling was tested by the Joint Fire Research Organisation who have awarded it a grading of two-hour protection to structural steel.

New Office and Showroom

Plyglass Ltd., of Edinburgh Way, Harlow, Essex, have opened a northern office and showroom at 8 Eldon-terrace, Leeds 2 (Tel.: Leeds 25792).

Change of Address

Pyrotenax Ltd. announce that the address of their London office is now 54 Victoria-street, SW1. Telephone: Victoria 3745/9. They also announce that they have transferred their Leeds office to larger premises at East Parade Chambers, 10-12 East-parade, Leeds 1. Tel.: Leeds 27826.

Price Reductions

Arthur Sanderson and Sons Ltd., Berners-street, W1, have recently announced considerable reductions in prices of their 'Lightning' wallpaper stripping machines. The calor gas model has been reduced from 33 to 26 guineas, and the liquid fuel model from 38 to 32 guineas.

Midland Silicones announce that the price of their Dri-Sil 29 silicone masonry treatment is reduced by 10 per cent.

Domestic Appliance Division

Allied Ironfounders Ltd. have announced the creation of a new division called the domestic appliance division. With immediate effect, all solid fuel and oil fired products will be marketed through this division. The company's address is 28 Brook-street, London, W1.

An Electrical Handbook

The introduction of new wiring materials and methods; the appearance of new British Standards; changes in regulations; the extensive developments in Crabtree wiring accessories and protective and automatic control gear—are all reflected in this edition of the Crabtree Electrical Handbook issued by J. A. Crabtree & Co., Ltd. Copies, 5s. net., may be obtained through booksellers or from the head office of the company at Lincoln Works, Walsall, Staffs.

Delivery Time Cut

It is announced that additional manufacturing plant recently installed at the factory of Stramit Boards Ltd., Packet Boat Dock, Cowley Peachey, Uxbridge, has resulted in quicker production of Stramit roofing and partition slabs and that delivery of standard size roofing and partition grade slabs can now be made in seven days from receipt of order. For 'Movaflush' partition panels the delivery period is 14 days.

OVERSEAS BUILDING

From Our Own Correspondents

CANADA.—A $5m. hydro-electric expansion programme has been ordered by the Manitoba Government. The plans call for the construction of a new generating station with rock excavation for a further unit in the near future.... The Oakville Rotary Club is to sponsor a housing development, for elderly couples, in Oakville and Trafalgar, Ontario.... Tenders are to be called for four buildings, to total approximately 140,000 cubic feet, at Grosses Roche, Quebec. . . . Plans for the $500m. Peace River Power Development project, now include a main dam, 500 ft. in height, a second dam, and then three additional dams. . . . Over $5m. will be spent on the construction of building and refuelling facilities at Sarcee and Namao, Alta, by the Canadian Government. . . . Tenders have been invited for the construction of buildings to house a secondary electrical distribution system, in Cape Breton, Nova Scotia. . . . Architects have been engaged to prepare plans for the new BC University Fine Arts Centre. This project will comprise a group of four buildings. . . . Tenders are invited for the construction of a Canadian Legion building in Lunenburg, NS. . . . Plans for the construction of a 500-bed mental hospital, at Selkirk, Manitoba, are under consideration. . . . The International Nickel Company Ltd. is planning a $173m. development programme for Northern Canada.... The New Brunswick Government has set up a new development company, New Brunswick Development Corporation, to promote industrial expansion. . . . Tenders are to be called for construction of a $15m. group of workshops in the Canadian National Railway yards at Moncton, NB.

CANADA.—A $1m. building project has been proposed for Felmington Park, North York Township, Ontario. Five councillors are at present visiting England and Sweden to study similar housing projects.... A $7m. chemical plant will be constructed in Saint John, New Brunswick, shortly.... International Nickel Co. of Canada, will start construction immediately of a nickel refinery to cost $20m. in northern Manitoba. . . . A $1m. 119-unit block of flats is to be constructed by Bernard Lyon Enterprises, Ltd., in Ottawa. . . . The Province of Saskatchewan Highways Department has budgeted $24m. for highway construction and maintenance for the 1959-60 fiscal year. . . . Tenders will be called immediately for the construction of a new multi-million dollar hospital in Calgary, Alta. Completion target date is 1961. . . . Quebec Bridge Realty Co. Ltd. are considering the construction of a 30-shop commercial centre for Ste. Foy, near Quebec City.... A new head office, to house The Reader's Digest Association (Canada) Ltd., will be erected at St. Catherine and Redfern Sts., Montreal. Completion date is 1961.... Fluor Corporation of Canada has been awarded a $3m. contract to engineer and build a gas processing plant for the Nevis Operators' Committee at Nevis, Alta.... Tenders have been invited for the construction of a general hospital at Dawson Creek, BC. Architects are Gardiner, Thornton, Gothe & Associates, of Vancouver.... 'Oakridge Towers,' a new eight-storey 56-unit block of flats is to be constructed on Tisdall-street, Vancouver. Tenders are being received by the architect, Mr. G. Hamilton, Vancouver.... The Eglington East Syndicate will construct an 11-storey building in Toronto, to cost $1m. Architects are Burston & Wells and completion is scheduled for March, 1960. . . . Tenders for a new Federal Building, to be constructed at New Glasgow, NS, will be called shortly.... Plans for a $2m. shopping centre at Chilliwack, BC should be ready this spring. Architects are Dirasser & James, Vancouver.... Members of the Fraser Valley Milk Producers' Association have decided to proceed with a proposal to replace their present distributing plant with a more adequate plant to cost $3.5m.... A $5.5m. harbour terminal is planned for Fort William and Port Arthur at the Lakehead.... Expansion plans for the Children's Hospital, Winnipeg, include additions to two wings, a nurses' residence and internes' quarters. Estimated cost, including equipment for research, is $2.5m.... The Government has announced that it will spend $70m. on a road-building programme in the northern territories during the next seven years.... A 400-home sub-division is being planned by N. W. Hullah Construction Co., Vancouver, for Richmond, BC.... Real estate developers has purchased 30 acres of land in Baie Comeau, Quebec, for housing construction purposes.... The Bell Telephone Co. Ltd., are to erect a new 10-storey building in Toronto.

Australian Visitor

COLONEL R. RONALD CURTIS, director of development and investment of Richard Costain Limited, London, arrived in Melbourne on April 23 for a month's visit. He is investigating the opportunities for building investment and development in Australia. Colonel Curtis will visit the Eastern States and South Australia.

Building Partnership in Nigeria

MESSRS. OKI OLAYIWOLA AND SONS, building contractors, of 19 Porto-novo, Market-street, Lagos, Nigeria, have intimated that they are willing to go into partnership with English firms who are interested in taking up contracts in Nigeria as developments are going on.

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SCOTTISH BUILDING TRADE WAGES

FOLLOWING are rates of wages authorised by the Scottish National Joint Council as from February 2, 1959. They apply to the whole of Scotland, including the islands of Orkney, Shetland, etc.

Grade A: Craftsmen, 4s. 9d.; Labourers, 4s. 2½d.

For apprentices, the rates are:

Year	*Percentage of Craftsman's rate*	*For week of 44 hours* s.	d.
1st	25	52	3
2nd	33⅓	69	5
3rd	50	104	6
4th	66⅔	139	4
5th	75	156	9

For female labour, the rates are:

	s.	d.
Operatives on craft operations (at end of probationary period)	4	2½
Operatives on labouring operations (at end of probationary period)	3	8½

The SCOTTISH BUILDER

Scotland's Housing This Year

THE number of new houses completed in Scotland in the first three months of this year was 7,425. This was over 1,000 fewer than in the same quarter last year, but about 800 more than in the previous three months. These facts are given in the quarterly housing return for Scotland (HMSO, price 1s. 3d.) published on April 28.

Under the post-war housing programme over 361,000 houses have now been built in Scotland. In addition 32,176 temporary houses were completed between 1945 and 1949. At the end of March the total number of new houses under construction was 28,661 compared with 29,724 at the end of December. At the end of December, 1958, the total of unfit houses demolished or closed since January 1, 1955, was 34,849.

NEW BUILDINGS

Dundee.—Town Planning Comm. approval for 47 lock-up garages at Balgarthno-rd., Laird-st. and Strathmore-st.

Dundee.—Plans for hall in Queen-st. for East Church, Broughty Ferry approved by Town Planning Comm.

Edinburgh.—Erection of 455 houses approved by Planning Comm.

Edinburgh Hospitals Bd.—Craig House hospital, internal alterations to two wards. Separate trades contract. Eric W. Hall, ARIBA, Rockhse. Calton Hill, Edinburgh. Heating and electrical installations apply to Ian Hunter & Ptnrs. consultants, 46 Palmerston-pl.

Fort William.—TC approve plans to augment town's water supply by laying six miles of 9in. main pipes from the source in Glen Nevis. Est. cost £84,000.

Glasgow C.—Sports pavilions at Queens-park, Greenfield and Cowlairs-park. Schedules and tenders for several works contract. City A, 20 Trongate, Glasgow.

Hamilton.—Dean of Guild Court warrant granted to Hamilton TC to erect 271 houses at Earnock. Est. cost £716,500.

Hamilton.—Dean of Guild Court warrant granted to SSHA to erect 100 houses at Udston-Hillhouse. Est. cost £160,000.

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Inverness.—Demolition of suspension bridge over River Ness and construction of three span prestressed concrete road bridge on same site together with roadways, riverside wall remodelling and the removal of temporary timber bridge. Drawings and documents from the consulting engineers, Sir M. MacDonald and Ptnrs, 72 Victoria-st., London, SW1. Dep. £15. Tenders by June 9.

Lanark CC.—Remodelling and extension of Lanark grammar sch. Demolition of certain buildings, remodelling of the former sec. sch. and former primary sch., and erection of nine classrooms, library, assembly hall and two gymnasia. Applications by May 16. County C., Lanarkshire-house, Glasgow.

Lanarkshire.—Completion of main block at Lanark fire station — carpenter, joiner and glazier; plumber; plaster, tile and terrazzo. Applications to Messrs. Gavin Paterson & Son, architects, 6 Cadzow-st., Hamilton, by May 8.

Midlothian.—Several works in one contract—alterations to Addiewell public sch. Applications to the County A., 32 Palmerston-pl., Edinburgh.

Wigtown CC.—2,400yds. 6in. dia. a.c. pipes; 4,700yds. 4in. dia. pipes in the Stoneykirk Cults area. Applications to County E, Stranraer.

The Builder

FUTURE CONSTRUCTION

Full details of Public Appointments open will be found in the Advertisement pages of this and previous issues

CONTRACTS OPEN

For some contracts still open but not included in this list, see previous issues. Those with an asterisk are advertised in this number. The latest date for the receipt of tenders or applications appears above each paragraph. A dagger (†) against the entry indicates that applications must be received by this date.

BUILDING

MAY 6

†Birmingham City C.—Firm-price tenders for 36 flats at Bordesley Green East (nr. Stuarts-rd.). City A. Dep. £2 2s.

MAY 12

***†Coseley UDC.**—32 flats at Ettingshall-rd. housing site. C. Dep. £2 2s. Tenders by June 16.

***†Castle Donington RDC.**—Fixed price tenders for one building comprising three lock-up shops and two flats at Park-la. estate. A: McCarthy, Collings & Co., 187 Forest-rd., Coalville. Dep. £2 2s. Tenders by June 15.

MAY 13

***†Brierley Hill UDC.**—Fixed price tenders for 128 houses at Market-st. housing site (work divided into three groups). Ccl's. A and Housing Director. Dep. £2 2s.

MAY 15

***†Blackburn CBC.**—Extension to new technical college. A: Willink & Dod (F/A), Cunard Building, Liverpool. Dep. £3 3s.

†Bristol City C.—Alternative fixed and fluctuating price tenders for building for Department of Women's Subjects, College of Technology, Ashley Down. City A. Dep. £2 2s.

***†Dunstable BC.**—Fixed price tenders for sports pavilion at Bennett Memorial recreation ground. Boro' E. Dep. £2 2s. Tenders by June 12.

***†West Riding of Yorkshire CC.**—Adaptation works at Hoober-hse. annexe to Lady Mabel college of physical education, Wentworth Woodhouse, nr. Rotherham. County A. Tenders by June 1.

MAY 16

***†Essex CC.**—Firm price tenders for:—(1) Improvements to Stratford Court House; (2) two additional classrooms, etc., to Mountnessing CofE (controlled) prim. sch. Separate applications. County A.

***†Merthyr Tydfil CBC.**—(1) Advance preparation of housing site, and (2) 299 houses at Gurnos neighbourhood unit. E&S. Dep. £5 5s. each contract.

†Staffordshire CC.—Inclusion in approved lists of contractors for building, electrical, heating and maintenance work. County A.

MAY 18

***†West Riding of Yorkshire CC.**—Adaptation of hut as dining room and scullery at Aston Swallownest sec. sch. Divisional A, Planet-rd., Adwick-le-Street, Doncaster. Tenders by June 1.

MAY 19

***Bognor Regis UDC.**—Fixed price tenders for improvements to 31 houses at Collyer-ave. E&S. Dep. £2 2s.

***†Leeds Regional Hospital Bd.**—Fixed price tenders for (a) new X-ray department at Halifax General Hospital, Halifax; (b) extensions to pathological laboratory at Middleton-in-Wharfdale hospital. A to Bd. Dep. £2 2s. each contract

MAY 20

***†Brentford and Chiswick BC.**—Inclusion in list of approved contractors. Boro' E&S.

***†Durham CC.**—(a) Heating and DHW installations at Consett new technical college. (b) New branch library at Durham City. County A.

***†Worcester City C.**—First instalment of new College of Further Education at Deansway. A: Richard Sheppard, Robson & Ptnrs., 5 Southampton-pl., WC1.

MAY 22

Dearne UDC.—Fixed price tenders for 10 houses at Thurnscoe. E&S. Dep. £2 2s.

Pewsey RDC.—12 houses at Ludgershall-rd. housing estate, North Tidworth. A: Sutton, Griffin & Sweetnam (F), 87 Northbrook-st., Newbury, Berks.

MAY 25

***Carlisle City C.**—100 dwellings at Morton estate. City S.

***Norwich City C.**—Erection of sale buildings at new cattle market at Harford. City E.

MAY 27

***†Wandsworth MBC.**—30 flats at Garratt-la. TC.

MAY 28

***Lindsey CC.**—Fixed price tenders for first instalment of new county prim. sch. at Alford. County A.

JUNE 1

***Banstead UDC.**—Fixed price tenders for 10 semi-detached dwellings off Partridge Mead—Nork housing estate. E&S. Dep. £2 2s.

***Brighton CBC.**—Fixed price tenders for (a) 18 flats at Moulsecoombe-way/Appledore-rd. Boro' S E&Planning Officer. Dep. £2 2s.

***Middlesbrough CBC.**—39 houses at Saltersgill. Boro' E. Dep. £2 2s.

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Scottish Representative: J. G. W. MUIRIE, 12 Lothian Drive, Clarkston, Renfrewshire. Tel.: Giffnock 1516

Lancs. Representative: W. REDMAN, 11, Deneway, High Lane, Stockport, Cheshire. Tel.: Disley 2034

***Newton-le-Willows UDC.**—Fixed price tenders for 42 bungalows at Heald farm estate. E&S. Dep. £2 2s.

***Sunderland CBC.**—Extensions to central public library. Boro' A. Dep. £2 2s.

***Wood Green BC.**—Alterations and extensions to pavilion at White Hart-la. recreation ground, N22. Boro' E. Dep. £1 1s.

JUNE 3

***Southend-on-Sea CBC.** — Dismantling prefabricated classroom block at Temple Sutton sch. and re-erection at Southend high sch. for boys with foundations, and incidental works. Boro' A.

JUNE 4

***Reading CBC.**—Firm price tenders for clinic at Grove-rd., Emmer Green. Boro' A. Dep. £2 2s.

JUNE 5

***Croydon CBC.**—Conversion of 'Norbury Hall,' Craignish-ave., Norbury, into hostel for 40 old people. Boro' E.

***Maidenhead BC.** — Conversion of 163 Grenfell-rd. into accommodation for ten elderly people. Boro' E&S. Dep. £1 1s.

JUNE 6

East Barnet UDC.—Fixed price tenders for 65 dwellings and eight garages at Pine-rd. development area, N11. E&S. Dep. £2 2s.

JUNE 9

***Sevenoaks RDC.**—Firm price tenders for eight flats and 16 houses at Hale-la., Otford. E&S. Dep. £2 2s.

SERVICES, PAINTING, MATERIALS, ETC.

MAY 13

***†Leeds Regional Hospital Bd.**—Fixed price tenders for alterations to heating and hot-water services at Lynfield Mount hospital, Bradford. A to Bd., Park-parade, Harrogate. Dep. £2 2s. Tenders by June 9.

MAY 19

***†Cornwall CC.**—Fixed price tenders for subcontracts for (1) steelwork, and (2) aluminium windows in connection with new infants' sch. at Treliske, Truro. County A.

MAY 21

†Carlisle City C.—Engineering services at Harraby sec. sch. extensions. City S.

MAY 23

***†Liverpool City C.**—Dressed stone and other stone for reservoir and other works in Tryweryn Valley, nr. Bala. Water E.

***March UDC.**—Fixed price tenders for installation of hot water systems, etc., in 26 pre-war dwellings at Peas Hill-rd. A&S. Dep. £1 1s.

MAY 25

***Crawley UDC.**—Retiling of eight houses at Ifield-rd. E&S.

Middlesbrough CBC.—Road and building materials. Boro' E.

MAY 26

***Croydon CBC.**—Removal of sloping floors at Winterbourne sch., Winterbourne-rd. Ch. Education Officer. Dep. £1.

MAY 29

***Cardiff City C.**—Fixed price tenders for painting of Clarence bridge over River Taff. City S. Dep. £2 2s.

***Leatherhead UDC.**—External painting and repairs to five dwellings, two blocks of flats and one block of offices in Leatherhead district. E&S.

***Reading CBC.**—Firm price tenders for 150 gas water heaters at Anglefield and Whitley estates. Housing Mgr.

JUNE 1

***Brighton CBC.**—Fixed price tenders for new oil-fired boiler plant at Town Hall. Boro' S. E&Planning Officer. Dep. £2 2s.

***Richmond (Surrey) BC.**—Alteration works and redecoration at 10 Kings-rd. Boro' E&S. Dep. £2 2s.

NO DATE

***Bristol EC.**—Covering of floors with lino. tiles and PVC tiles at College of Technology, Brunel House. Chief Education Officer.

MUNICIPAL AND CIVIL ENGINEERING WORKS, ETC.

MAY 15

Swindon BC.—1,400yd. of 15in. dia. concrete-lined spun-iron water main. Boro' S&WE. Dep. £2 2s.

MAY 19

Stafford RDC.—2,200yd. of 6in. sewer at Hyde Lea, Stafford. E&S. Dep. £2 2s.

MAY 22

Oundle and Thrapston RDC and Huntingdon RDC.—Trunk main to Great Gidding.—Three miles of 6in. and 4in. dia. asbestos-cement water mains with screwed joints and ancillary works. Pick, Everard, Keay & Gimson, constg. engrs., 6 Millstone-la., Leicester. Dep. £3 3s.

MAY 23

Isle of Ely CC.—Demolition and reconstruction of Hobbs Lot bridge, March, on March-Guyhiral road. County S.

***†Liverpool City C.**—Diversion of about 4½ miles of road (B.4391) from Bala to Blaenau-Ffestiniog, Merionethshire. Water E.

MAY 25

East Devon Water Bd. — 250,000-gallon capacity r.c. covered reservoir, with pipework, access road, etc., at Cheriton Hill, nr. Sidmouth. Rofe & Raffety, Bd's. constg engrs., 9 Brewer's-green, Buckingham-gate, SW1. Dep. £2 2s.

New Forest RDC.—Modernisation of sewage disposal works at Cold Haze Farm, Brockenhurst and 1,460yd. of 6in. concrete pipes with concrete tube manholes at South Weirs, Brockenhurst. E. Dep. £5 5s.

MAY 26

Norwich City C.—3m.-gallons r.c. reservoir at Telegraph-la. E&Mgr., Water Dept. Dep. £2 2s.

MAY 29

Deben RDC.—5,600yd. of 12in. to 6in. dia. C.I. and stoneware sewers, sewage disposal works, house connections, etc., at Orford. Pick, Everard, Keay & Gimson, Ccl's. constg. engrs., 6 Millstone-la., Leicester. Dep. £5 5s.

JUNE 3

Ludlow RDC.—South eastern parishes water supply.—25 miles of 2in. to 6in. dia. asbestos-cement and concrete-lined spun-iron main, two 120,000-gallon r.c. service reservoirs, etc. E&S. Dep. £10 10s.

GENERAL BUILDING WORK

(LONDON)

Acton.—School.—The Middlesex Education Com. has approved plans for the enlargement and adaptation of Acton county school to provide accommodation for 720 boys and girls. A new block will accommodate, on the ground floor, woodwork, metalwork rooms, drawing office, needlework, domestic science and music rooms, and on the first floor, laboratories for advanced and elementary chemistry and physics. The adaptations to the existing building will include the formation of two biology laboratories, division rooms and sanitary facilities for girls, the construction of a roof over the quadrangle to provide a dining-hall and alterations to the kitchen. The County Architect is C. G. Stillman (F), 1 Queen Anne's Gate-bldgs., SW1.

Bethnal Green.—Modernisation of Dwellings.—The LCC Housing Com. has approved a scheme for modernising Chertsey-bldgs., Boundary-st. estate, at an estimated cost of £18,937.

Camberwell.—School Improvements.—The Governors of Wilson's grammar school, Peckham-rd., propose the erection, on the western side of Wilson-rd., opposite the school, of a two-storey building containing six laboratories, two lecture rooms and other rooms for the teaching of science with a staff room, cloak rooms, etc., and improvements to the existing accommodation, at an estimated cost of £55,031.

Deptford.—School Extension.—The Schools Planning Sub-Com. of the LCC has agreed to include in an early building programme a scheme for providing additional accommodation for the teaching of science at Addey and Stanhope school and proposes the acquisition of a site of nearly half-an-acre at Florence-grove and Willshaw-st. for the purpose.

Hammersmith.—Maisonettes, Flats and Garages.—The Housing and TP Com. approved preliminary plans for the redevelopment of the MBC's land and adjoining lands at Askew-rd. by nine 3-bedroom maisonettes, one 2-bedroom flat, one 2-bedroom maisonette, 6 garages and 12 pram sheds, together with an off-licence with one 3-bedroom maisonette and a garage. The Boro' E&S is J. E. Scrase, MICE.

Lambeth.—Road Improvements.—The following road improvement schemes have been approved by the MBC:—*1960-61 programme:* Widening of Waterloo-rd. from Lower Marsh to Morley-st. Estimated cost £90,000. *1960-62:* Waterloo-rd., Southern Approach realignment. Estimated cost, £520,000. *1967-70:* Brixton-rd. widening (south of Stockwell-rd.). Estimated cost £1,060,000. *County roads—1960-61:* South Circular road: Tulse Hill/Norwood-rd./Christchurch-rd. intersection. Estimated cost £80,000. *1961-62:* St. Mark's intersection, Kennington Gate. Estimated cost £150,000.

Lambeth.—Site Acquisition.—The LCC proposes to acquire a clearance area with adjoining and additional land totalling 0.92 acre at Stockwell-la., on which it is estimated that 35 dwellings can be erected.

Lambeth.—Site Acquisition.—The LCC proposes the acquisition of areas totalling 11.11 acres in the vicinity of Ethelred-st. and Honeparade, which together with 7.2 acres already purchased for slum clearance, will provide an area of 18.3 acres zoned mainly for residential use, lying to the west of Kennington-rd. and the north of Black Prince-rd. and including parts of Lambeth Walk. About 560 dwellings can be erected on 14.7 acres which would be made available for housing.

Lewisham.—Library.—The Baths, Cemeteries and Libraries Com. has approved a scheme for a branch library at 172 Bromley-rd., Catford, SE6. The building wil comprise three storeys with a mezzanine floor between the first and second floors. The estimated cost of the work is £81,000. The Boro' Architect is M. H. Forward (F), FRICS.

Lewisham. — Appointment. — The Housing (Building) Com. recommends the appointment of S. M. Cleator, MIStructE. as consulting structural engineer to design and superintend the construction of foundations of five four-storey blocks of flats on the site of 36-56 (even) Eltham-rd. The Boro' Architect is M. H. Forward (F), FRICS.

Orpington.—School.—The Governors of St. Olave's and St. Saviour's grammar school, Bermondsey, propose to erect a new school for about 600 boys at Goddington-la., to which they propose to remove the school in 1962.

Poplar and Greenwich.—Blackwall Tunnel Duplication.—The TP Com. of the LCC has approved the report of the appointed engineers, Mott, Hay & Anderson, on the proposed duplication of Blackwall tunnel. The work to be carried out under the direction of the engineers, in association with the Council's Chief Engineer, J. Rawlinson, CBE, is estimated to cost £5,117,000 and to take about three years to complete. The construction of the shallower end sections of the tunnel on the cut-and-cover principle, the north and south approaches, the lining, ventilation and lighting of the tunnel and the provision of drainage pumping plants, which will be carried out under the direction of the Council's Chief Engineer, together with the construction of the ventilation buildings under the direction of the Architect to the Council, will take another 18 months and cost £1,803,000. It is proposed that the invitation of tenders for the tunneling work shall be restricted to the six firms in the country who have the necessary facilities and organisation, but that tenders for the remaining work should be invited by public advertisement.

St. Marylebone.—Flyover.—The LCC Town Planning Com. proposes that the Harrow-rd. to Marylebone-rd. improvement, which the Com. has approved in principle, should incorporate a flyover at the junction of Edgware-rd. and Harrow-rd. and the continuation of the widening of Edgware-rd northwards of the junction as far as Newcastle-pl.

Sunbury-on-Thames.—Site Acquisition.—The General Housing Co., Ltd., Ealing, recently purchased for £122,000 14½ acres of land at Halliford Lodge, with planning permission for the erection of houses. The land is zoned at 32 habitable rooms to the acre.

Wandsworth.—River Improvements.—The LCC has approved an estimate of £450,000 submitted by the Rivers and Drainage Com. for the improvement of the river and the diversion of water mains in the area of the lower portion of the River Wandle.

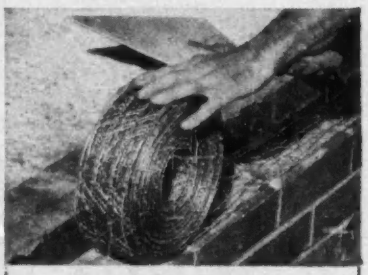
Woolwich.—College Extensions.—The Further Education Sub-Com. of the LCC has approved a scheme for additions to the teaching accommodation and adaptations to existing buildings at Avery Hill training college. A new three-storey wing will be added to the classroom block and, at the north-west corner of the site, a new two-storey building will contain art and craft rooms. A library, lecture room and practice teaching rooms will be provided at the east end of the site, with a music wing on the north side of the entrance forecourt. Two new gymnasiums will be linked to the existing changing rooms. The total estimated cost of the scheme is £248,940. The architect is D. Dex Harrison (F), AMTPI, 38 Holland Villas-rd., W14.

(PROVINCIAL)

Lichfield.—War Office proposes modernisation of Whittington Barracks, £750,000 est.

Repton.—Central Electricity Generating Bd. received consent of M of Fuel and Power to building of new power station at Drakelow to be known as Drakelow C, with capacity of 1½m. kW.

Southampton.—BC seeks permission to develop self-contained 'suburb' of 745 acres at Nursling and Rownhams.



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TENDERS

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† Denotes *provisionally accepted.*
‡ Denotes *recommended for acceptance.*
§ Denotes *accepted subject to modification.*
¶ Denotes *accepted by H.M. Government Departments.*

Abram.—24 houses at Bickershaw for UDC. *G. & J. Seddon, Ltd., Little Hulton, nr. Bolton. £36,122.

Blackburn.—Valve chemical factory at Phillips-rd. for Mullard Blackburn Works, Ltd. *Brown & Jackson, Ltd. Elm-st., Fleetwood.

Blaydon, Co. Durham.—68 houses at Parkhead estate, Winlaton, and 24 at Pipe Bridge estate, Rowlands Gill, for UDC. Housing S: N. Young. *Direct labour.

Bletchley.—Works for UDC. E&S: J. T. Smithie. (a) Nine houses at Castle estate; (b) 12 flatlets at Rivers estate; (c) extension to factory No. 4 at Council's industrial estate. *Drabble Construction, Ltd., Vicarage-rd., Bletchley. (a) £15,208; (b) £19,552; (c) £4,148.

Brighton.—16 police flats at Coldean estate for TC. Boro' S, E and Planning Officer: D. J. Howe, MICE, MIMunE. *Jeffery & Sons (Hove), Ltd. £27,600.

Chelsea.—20 one-bedroom and 20 two-bedroom flats in an eleven-storey block, 20 four-room maisonettes in a four-storey block, eight old people's flats in a two-storey block, eight

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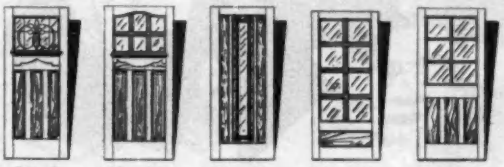

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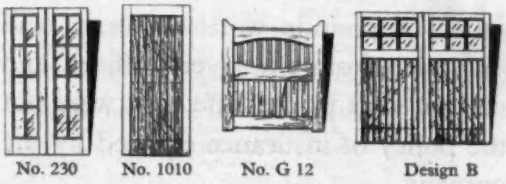

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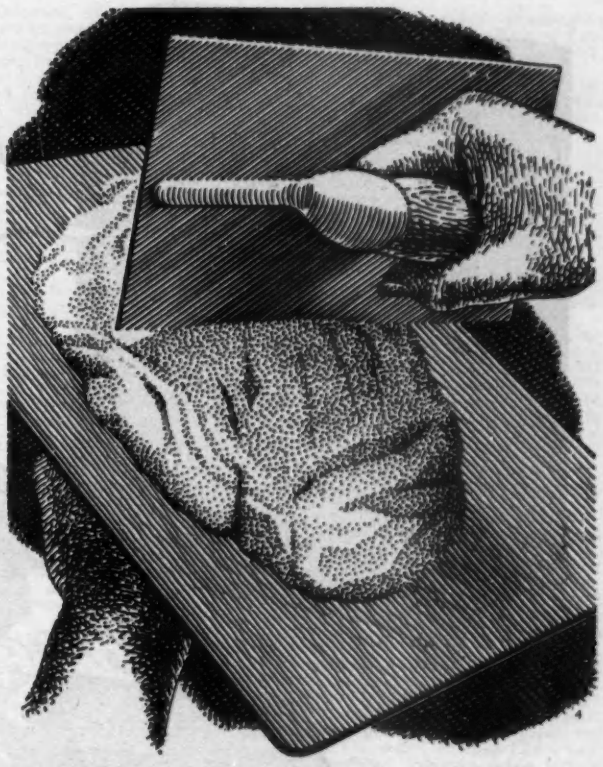

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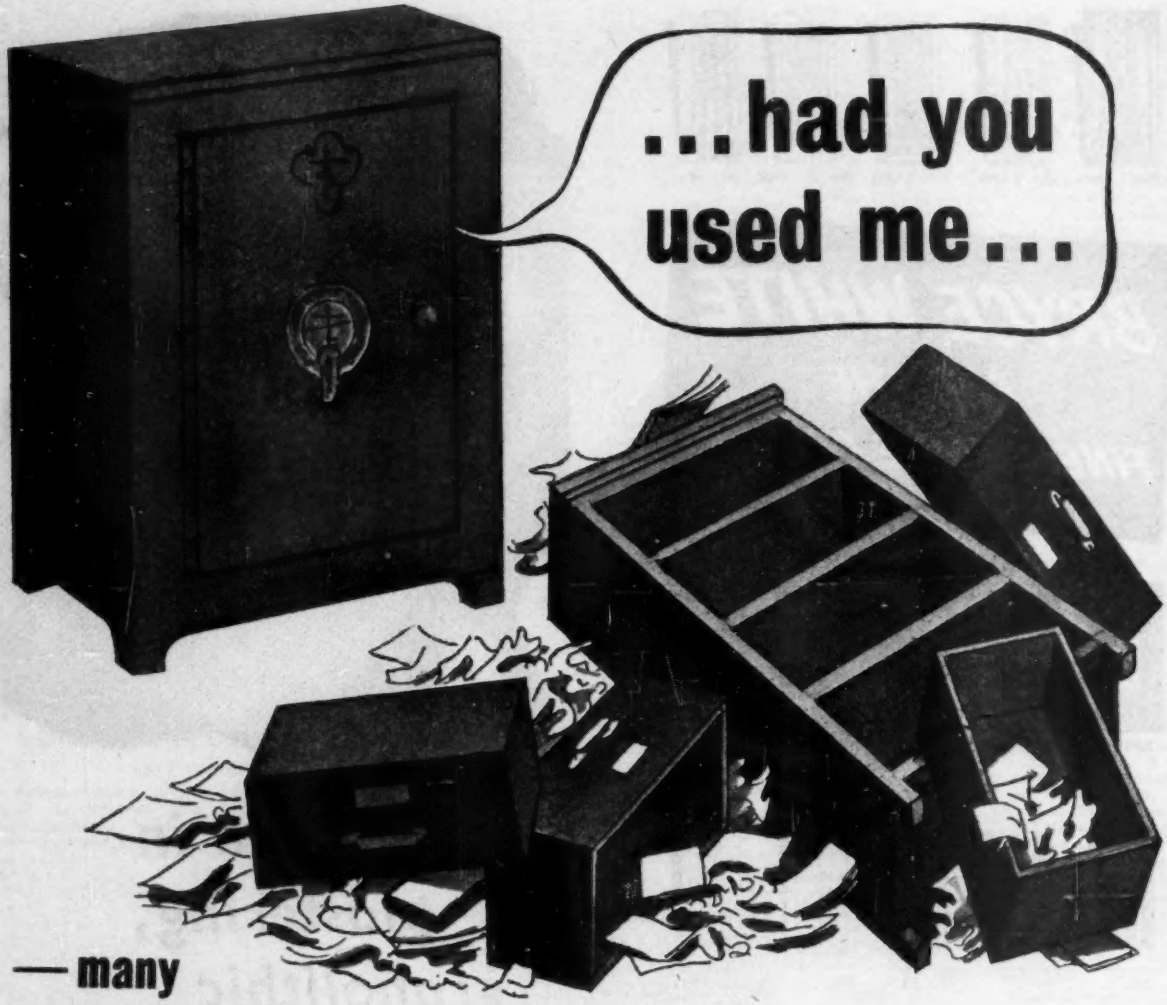

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studios and eight garages, with site works at Wandon-rd. (Chelsea and Fulham station) site for MBC. A: Bridgewater & Shepheard (F/A), 42 Bruton-pl., W1. Struct. engr.: W. V. Zinn. QS: Messrs. Gleeds.

John Laing & Son, Ltd.	£232,226
Richard Costain, Ltd.	227,354
Rice & Son, Ltd.	225,662
Prestige & Co., Ltd.	223,364
Kirk & Kirk, Ltd.	223,015
Tersons, Ltd.	220,480
Gee, Walker & Slater, Ltd.	218,297
‡Wates, Ltd., London-rd., Norbury	216,245

Chelsea.—Conversion of six houses at Elm Park-gdns. (Stage 7) into 16 flats for MBC. Boro' E&S: E. G. Goldring, AMICE. ‡W. J. Marston & Son, Ltd. £61,196 (corrected tender).

Chingford.—Fixed price tender for new municipal offices for BC. A: Tooley & Foster (F/A), Midland Bank-chbrs., Buckhurst Hill, Essex. QS: Young & Brown. *Gray Conoley & Co., Ltd., Stephenson-st., E16. £121,610.

Church Stretton.—Eight houses and four old people's bungalows on Lutwyche-rd. site. A: R. & D. Hall (F), Bowdler's-hse., Town Walls, Shrewsbury. QS: Howells & Doherty, Bangor, N. Wales. John Bromley & Sons, £25,014; *W. A. Sherratt, Ltd., Church Stretton, £22,116 (subject to MH&LG approval).

Easington.—Three bungalows at Easington, 13 at Shotton and four at Seaton for RDC. *Direct labour, £25,881.

Hartlepool.—New premises at King Oswy-dr. for Hartlepool Workmen's Club, Ltd. A: E. Gordon Crofts (L), 49 Grange-rd., Darlington. *John Proud, Ltd., 195 York-rd., West Hartlepool.

Holborn.—Fixed price tenders for 112 flats at Ormond-close for MBC. Boro' A: S. A. G. Cook (A). Constg. engr.: W. V. Zinn. QS: Messrs. Oswald E. Parratt.

Walter Lawrence & Son, Ltd.	£336,460
Humphreys, Ltd.	326,061
J. M. Hill & Sons, Ltd.	323,336
Y. J. Lovell & Son, Ltd.	318,728
Rowley Bros., Ltd.	317,090
Rush & Tompkins, Ltd.	314,861
Leslie & Co., Ltd.	313,769
Richard Costain, Ltd.	309,325
Herbert Richardson & Sons, Ltd.	304,372
‡John Laing & Son, Ltd.	302,071

Keighley.—33 dwellings at Bracken Bank estate for BC. *F. W. Heaton (Builders), Ltd., Kings-rd., Crossflatts, Bingley.

Lakes, Westmorland.—Eight flats, 10 houses and six bungalows at Greenbank estate, Ambleside, for UDC. *Gregory Housing Ltd., Worthing.

¶**London (Admiralty).**—Particulars of contracts over £1,000 in value: *Co. Durham:* renewal of timber decking, Eagre Construction Co., Ltd., Scunthorpe, Lincs. *Hants:* Re-roofing, Carter-Horseley, Ltd., Merebank-la., Waldon; building, John Hunt, Ltd., South Wharf, Gosport; Basford & Sons, Ltd., Fareham-rd., Gosport; R. J. Winnicott, Ltd., Copnor-rd., Portsmouth. *Lanark:* Building, Blackburn (Dumbarton), Ltd., Castle-rd., Dumbarton. *Morayshire:* External painting, McLean & Stewart, Victoria-rd., Dundee. *N. Ireland:* Building, R. J. McKinney, Ltd., York-rd., Belfast; R. J. Campell (Belfast), Ltd., Palmerston-rd., Belfast. *Warwickshire:* Steel racking, Dexion, Ltd., Maygrove-rd., NW6. *Yorkshire:* Cable trenching, Walter G. Birch, Ltd., Harrogate.

¶**London (Air Ministry).**—New works contracts to value of £500 or over for week ended May 1:—*Building work (hutting):* Tuddenham, Suffolk, Laughton & Fuller, Ltd., 51 High-st., Brandon, Suffolk. *Artificers' work:* Bempton, Yorkshire, etc., A. J. Darneley & Son, Ltd., 68 Spring-st., Hull, Yorks; Spitalgate, Lincs, etc., Bettles Building Co., Ltd., Alma-rd., Millfield, Peterborough, Northants. *Road construction and resurfacing work:* Renfrew Airport, Renfrewshire, Brown Fraser & Co., Ltd., 24 Durward-ave., Shawlands, Glasgow, S1. *Repair and modification test section Climatic Research Laboratory:* Farnborough, Hants, Benham & Sons, Ltd., 66 Wigmore-st., W1. *Heating and ventilation services:* Akrotiri, Cyprus, Saunders & Taylor, Ltd., 97 Chapel-st., Manchester 3. *Cleaning of aviation fuel storage tanks:* Gibraltar, Stokes of Cambridge, Ltd., Trinity Hall Farm, Milton-rd., Cambridge.

London (British Railways).—Contracts placed by Eastern Region:—W. & C. French, Ltd., Buckhurst Hill, Essex, for new signal box at Harlow Mill.—Alex. Findlay & Co., Ltd., PO Box No. 2, Motherwell, for steelwork for reconstruction of superstructure of underline bridge No. 43 over Coburn-rd., between Bethnal Green and Stratford.—Hosking & Son (Essex), Ltd., Arterial-rd., Rayleigh, Essex, for construction of signal box with relay room, telephone exchange, workshop and messroom accommodation at Broxbourne.—Higgs & Hill, Ltd., Crown Works, South Lambeth-rd., SW8, for construction of shed for maintenance of diesel locomotives and ancillary works at Stratford motive power depot.

London (British Railways).—Contracts placed by London Midland Region: G. A. Poole, Ltd., 37 Liverpool-rd., Newcastle-under-Lyme, Staffs, for accommodation for C. & W. and operating staffs at Hem Heath Colliery sidings, Trentham.—Ernest Webster & Co., Ltd., 353 Chester-rd., Cornbrook, Manchester 16, for cleaning and painting of Manchester Victoria passenger station.—Ruberoid Co., Ltd., Commonwealth-hse., 1-19 New Oxford-st., WC1, for waterproofing well deck units of bridge at River Esk viaduct.—Ruberoid Co., Ltd., 708 Chester-rd., Stretford, Manchester, for waterproofing deck units of bridge at Runcorn viaduct.—West's Piling & Construction Co., Ltd., Bath-rd., Harmondsworth, Middx., for piling and foundations at Cricklewood lightweight and main line diesel depot.—Butterley Co., Ltd., Butterley Ironworks, Derby, for reconstruction of superstructure of bridge on Leicester and Trent line.—Butterley Co., Ltd., Butterley Ironworks, Derby, for reconstruction of superstructure of bridge between Betley-rd. and Crewe.—Octavius Atkinson & Son, Ltd., constructional engrs., Sturbeck, Harrogate, Yorks, for crane gantries at Crewe electric locomotive repair shop.

London (City).—Six-storey block of offices, with ground-floor showrooms and PH, basement car park and stores, on site bounded by Cannon-st., Queen Victoria-st., Bread-st. and Friday-st., for Wates, Ltd. A: Stone, Toms & Ptnrs. (F), 28 South Audley-st., W1. *Wates, Ltd.

London (City).—Extension to City of London College, Electra-hse., Moorgate, EC2, for Governors. R.c structure with shops on ground floor, basement garage with turntable and car-lift and six upper floors providing offices, conference room, library, refectories, kitchens, etc. A: Enthoven & Mock (F), 4 Raymond-bldgs., Gray's Inn, WC1. Constg. engrs.: Hinchington & Ptnrs. QS: Drower & Sons. *Richard Costain, Ltd., 111 Westminster Bridge-rd., SE1. £160,000.

London CC.—Additional accommodation for the teaching of science and alterations at Edith Caville Sounty sec. sch., Hackney. A: Shingler & Risdon (F), 47 Bedford-row, WC1.

John Mowlem & Co., Ltd.	£26,111
Howard & Co.	24,308
Wm. J. Jerram, Ltd.	23,666
Walter Gladding & Co., Ltd.	23,445
Rice & Son, Ltd.	23,208
J. & J. Dean (Contracts), Ltd.	23,075
*E. J. Lacy & Co., Ltd., Willesden	22,645

Architects' comparable estimate is £21,900.

London CC.—Shell of factory for Mansol (Great Britain), Ltd., at Haverhill, West Suffolk.

Bury St. Edmunds Development Co., Ltd.	£21,766
V. A. Marriott, Ltd.	20,678
J. & J. Dean (Contracts), Ltd.	20,572
Rooke & Sons, Ltd.	19,774
T. J. Archer & Co., Ltd.	19,614
William Sindall, Ltd.	19,328
Carlton Contractors, Ltd.	19,236
Holmes Bros.	18,487
Johnson & Bailey, Ltd.	18,431
*Kerridge (Cambridge), Ltd., Cambridge	17,841

Architect's comparable estimate is £18,790.

London CC.—Improvements to eight small houses at Hutton residential school, Essex.

C. J. Manning (Builders), Ltd.	£56,200
Wm. J. Jerram, Ltd.	55,836
J. & R. Rooff, Ltd.	55,132
E. A. Russell, Ltd.	52,818
F. R. Hipperson & Son, Ltd.	50,630
R. J. Truscott, Ltd.	48,832
S. C. Grover, Ltd.	48,377
Charles S. Foster & Sons, Ltd.	48,316
*Killby & Gayford, Ltd., Shoreditch	47,921

Architect's comparable estimate is £47,900.

¶**London (Metropolitan Police).**—Tenders for building works. Ch. A&S: J. Innes Elliott (A). Internal redecorations, Edgware police station and married quarters, Druce & Co. (Decorations), Ltd., £916—Internal cleansing, Leman-st. police station and section house, R. Woollaston & Co., £559.

¶**London (MoW).**—Contracts placed for week ended April 24:—*Devonshire:* Union-rd., Kingsbridge, alterations to form new Post Office garage and workshop, Carkeek & Sons, Ltd., Gilwell-st., Plymouth. *Kent:* Sorting office and garage, Sheman-rd., Bromley, internal decorations, J. W. Green (Painters), Ltd., 171 Graham-rd., SW19. *Lancashire:* National Assistance Bd., Leece-st., Liverpool, adaptations, James Tomkinson & Co., Ltd., 22 Roscommon-st., Liverpool, 5. *Lincolnshire:* Inland Revenue Office, New Oxford-hse., George-st., Grimsby, alterations, Herbert Faulkner (Grimsby), Ltd., 47A Yarborough-st., Grimsby. *London:* Branch Post Office, Seymour-st., 24-30 Edgware-rd., W1, adaptations to form branch Post Office, George Moss & Sons, Ltd., Cranleigh Wharf, Lady Margaret-rd., Southall, Middx.; Princes-hse., Kingsway, WC2, adaptations for London Forecasting Office, Clemens Bros., Ltd., 77 Derby-rd., Forest Gate, E17; Audit-hse., Victoria Embankment, EC4, erection of electric passenger lift, Keighley Lifts, Ltd., Dalton-la., Keighley, Yorks. *Surrey:* Telephone exchange, Byfleet, heating and gas services, Sir Lindsay Parkinson & Co., Ltd., 6 Lambeth-rd., SE1. *Wigtownshire:* Govt. office building, Ashwood-dr., Stranraer, erection, L. K. Mackenzie & Ptnrs., Ltd., South Strand-st., Stranraer.

¶**London (War Dept.).**—Works contracts placed week ended April 24:—*Buckinghamshire:* (Beaconsfield), re-sheeting huts, Maurice Hill, Ltd., Horndean. *Devon:* (Plymouth), redecoration, W. T. Pickering & Sons, Ltd., Watford. *Kent:* (Canterbury), painting and decorating, T. H. Kenyon & Sons, Ltd., W9. *Middlesex:* (Feltham), roadwork, Constable Hart & Co., Ltd., Richmond, Surrey. *Somerset:* (Shepton Mallet), miscellaneous, H. T. Maunders, Bristol. *Staffordshire:* (Lichfield), miscellaneous, R. J. Russell, Ltd., Wolverhampton. *Surrey:* (Caterham), miscellaneous, C.A.S. (Contractors), Ltd., W8. *Wiltshire:* (Perham Down), painting, Fields, Ltd., Reading; (Salisbury), grass cutting, South Hants Harvesting Co., Ltd., Southampton. *Yorkshire:* (Catterick), painting, Reid Bros., Carlisle.

Manchester.—12-storey office block at corner of Portland-st. and Sackville-st. for Hornabee Property Co., Ltd. A: E. Norman Bailey &

PINCHIN JOHNSON for Paint

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Telephone: TRAfalgar 5600

Principal Branches and Stock Depots:

BELFAST	Belfast	58543
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BOOTLE, 20	Liverpool, Bootle	2121
BRIGHTON, 1	Brighton	29739
BRISTOL, 8	Bristol	33889
GLASGOW, C.2	Douglas	3281-2
LEEDS, 11	Leeds	24377
MANCHESTER, 3	Blackfriars	3800
NEWCASTLE-ON-TYNE, 1	Newcastle-on-Tyne	21919
SOUTHAMPTON	Southampton	23648

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Ptnrs. (L/A), 25 Catherine-pl., SW1. *Tersons, Ltd., 4 Dollis-pk., Church End, N3.

Middlesbrough.—Steel work for proposed central works depot for TC. Boro' E: J. A. Kenyon. *Dorman Long & Co. (Bridge and Engineering), Ltd., Middlesbrough. £35,983.

Middlesbrough.—Firm price tenders for 52 flats and maisonettes and 13 houses, with site clearance, sewers and some road works at St. Hilda's for BC. Boro' E&S: J. A. Kenyon, MICE, MIMunE., MTPI. *James Miller & Ptnrs., Four Mile Works, Newmillerdam, Wakefield, Yorks. £157,119.

Oswestry.—82 dwellings at Middleton-rd. for TC. *F. W. Davies & Co., Oswestry. £111,502.

Sawbridgeworth.—Fixed price tenders for 22 dwellings with external services, including construction of road. A: Gerald Lacoste, MBE, (F). QS: A. Carden Pool & Ptnrs. Stevenson & Spence, £36,830; Building Estates, £35,657; Leyford, Ltd., £35,631; J. Dixon & Son (Ware), £34,637; Bostock & Ptnrs., £33,800; *S. & G. Peachey, Ltd., 42 High-st., Stanstead Abbots, Herts., £33,161.

Shrewsbury.—New infants' sch. and assembly hall of jun. sch. at Harlescott Grange for EC. *G. Wimpey & Co., Ltd., London.

Solihull.—Civic hall block at Church Hill-rd, as first part of Civic Centre scheme for BC. A: E. Berry Webber (F), 39 Gordon-sq., WC1. QS: Clevely & Bass. *W. H. Jones & Son, Ltd., Holbrook-la., Coventry. £213,987.

South Shields.—New premises at corner of Boldon-la. and Galsworthy-rd. for Railway and Transport Workers' Social Club. A: E. Gordon Crofts (L), 49 Grange-rd., Darlington. *Wear Contractors, Ltd., Olive-st., South Shields.

Stockport.—Phase 1 of Fylde Lodge high sch. for TC. *F. J. Gibson (Builders), Ltd., Riverside Works, Manchester-rd., Wilmslow. £84,800.

Stockport.—Works for TC: adaptations at Courthouse. *W. Turner (1946) Ltd., Oat-st., Stockport. £23,503. 22 houses at Falinge-cres., Brinnington estate. *Vessey, Ltd., Buxton-rd., Hazel Grove. £33,124.—58 non-traditional houses at Canal Bridge Farm estate. *Unity Housing, Ltd. £88,036.—53 flats and maisonettes at York-st. and 49 flats and maisonettes at Victoria Park. *Reema, Ltd.

Stratford-upon-Avon.—16 flats at Redlands housing estate for BC. Boro' E&S. *Coleman & Tyas, Ltd., Bidford-on-Avon, nr. Alcester. £16,600.

Tiverton, Devon.—Works for TC:—26 houses 15 garages and site works at Wilcombe. *C. P. Unwin & Sons, Ltd. £46,104.—16 bungalows at King-st. *C. P. Unwin & Sons, Ltd. £19,424.—14 houses at Wilcombe. *F. J. Emmett. £21,957.

Totnes.—Civic hall and covered pannier market at High-st., Totnes, S. Devon for BC. A: G. A. Jellicoe & Ptnrs., (F/A), 12 Gower-st., WC1. QS: Venning, Hope & Ptnrs., Dudley Coles, Ltd., £38,985; E. A. Michelmore & Son, Ltd., £34,965; R. J. Knapman & Son. Ltd., £34,100; T. Brook & Co., Ltd., £33,436; Pearn & Co. (Contractors), Ltd., £32,957; Stone & Co. (Bristol), Ltd., £32,854; Staverton Builders, Ltd., £32,286; A. N. Coles (Contractors), Ltd. £31,980; Devon Contractors, Ltd., £31,720; §F. J. Stanbury, Ltd., Plymouth, £31,560.

Tynemouth.—180 dwellings south of Charlotte-st., North Shields, for T.C. Boro' E: D. M. O'Herlihy, 16 Northumberland-sq., North Shields. *Wimpey & Co., Ltd., Orchard-hse., Fenwick-terr., Newcastle-on-Tyne. £312,000.

Walthamstow.—New health services clinic at Countess-rd. for Essex CC. *P. G. Evans & Son, Ltd., 361 Higham Hill-rd., E17.

Westminster.—New headquarters offices for Government of New Zealand on site of old Carlton Hotel at corner of Haymarket and Pall Mall. A: Robert Matthew & Johnson-Marshall (F/A), 24 Park-sq. East, NW1. *Holland & Hannen and Cubitts (Great Britain), Ltd. £1¾m.

West Riding.—Extensions to Thorne grammar sch., nr. Doncaster, for CC. *James Miller & Ptnrs., Ltd., Newmillerdam, Wakefield. £100,000 (approx.).

Whitefield.—52 maisonettes and four houses at Elms estate for UDC. *Middleton & Co., Ltd., Bank-st., Sidings, Blackpool. £72,402.

FEDERATION OF MASTER BUILDERS

UNITE FOR STRENGTH

FEDERATION OF MASTER BUILDERS

We have examined the records of the Federation of Master Builders Ltd., and we hereby certify that the total membership of the Federation at December 31st, 1958, including approved applications but excluding any members whose subscriptions are unpaid for 1958, was

10,710

BARSHAM, NIXON & HAMILTON,
Chartered Accountants.
Auditors.
April 22nd, 1959.

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CONTRACTS

LINDSEY COUNTY COUNCIL.

FIXED PRICE TENDERS are invited for the ERECTION OF 1ST INSTALMENT OF A NEW COUNTY PRIMARY SCHOOL at Alford. The works are to be in traditional construction containing approximately 3,200 square feet of floor area and comprise Assembly Hall, Classroom and Cloaks. Bills of Quantities can be obtained from A. Ronald Clark, A.R.I.B.A., A.M.T.P.I., County Architect, County Offices, Lincoln, who must receive tenders by 10 a.m. on THURSDAY, 28th MAY, 1959.

County Offices,
Lincoln.

LEEDS REGIONAL HOSPITAL BOARD.

TO HEATING CONTRACTORS.

FIXED PRICE TENDERS are invited for carrying out ALTERATIONS TO THE HEATING AND HOT WATER SERVICES at Lynfield Mount Hospital, Bradford.

Applications for Form of Tender and Specification and Drawings accompanied by a deposit of £2 2s. 0d. (which will be refunded on receipt of a bona-fide Tender and other contract documents) must be made to the Architect to the Board at the undermentioned address not later than 12 noon on Wednesday, 13th May, 1959. Cheques should be made payable to the "Leeds Regional Hospital Board" and crossed.

A copy of the drawings, Conditions of Tender and Conditions of Contract may be inspected at the office of the Architect to the Board or at the Hospital.

Sealed Tenders, in the endorsed envelope provided, must be delivered to the undersigned not later than 12 NOON on TUESDAY, 9th JUNE, 1959.

The Board does not bind itself to accept the lowest or any Tender.

WM. A. SHEE,
Secretary to the Board.

Park-parade,
Harrogate,
Yorks.

COUNTY BOROUGH OF SOUTHEND-ON-SEA.

SOUTHEND HIGH SCHOOL FOR BOYS.

TRANSFER OF MOVABLE CLASSROOM BLOCK.

TENDERS are invited for the performance of works in DISMANTLING A PREFABRICATED CLASSROOM BLOCK at Temple Sutton School and RE-ERECTION at Southend High School for Boys with FOUNDATIONS and WORKS incidental thereto.

General Conditions of Contract may be inspected, and copies of Form of Tender, Specification and Drawings obtained on and after Wednesday, 13th May, 1959, on application to the Borough Architect, 30 Alexandra-street, Southend-on-Sea.

Sealed Tenders addressed to the undersigned and endorsed "Southend High School for Boys—Transfer of Classroom Block" are to be delivered to this Office before 3 p.m. on WEDNESDAY, 3rd JUNE, 1959, and no Tender received thereafter will be considered.

No Tender will be received except in the special envelope provided, which shall not bear any name or mark indicating the sender.

The Corporation do not bind themselves to accept the lowest or any Tender.

ARCHIBALD GLEN,
Town Clerk.

COUNTY BOROUGH OF MIDDLESBROUGH.

SALTERSGILL—39 HOUSES.

TENDERS are invited for the ERECTION of ONE GROUP OF 39 HOUSES.

Bills of Quantities from Borough Engineer, deposit two guineas. Tenders to be received by Town Clerk on or before MONDAY, 1st JUNE, 1959.

CITY OF LIVERPOOL.

WORKS IN THE TRYWERYN VALLEY, MERIONETHSHIRE.

DIVERSION OF ROAD.

Contractors who wish to be considered as TENDERERS for the diversion of about 4½ miles of the road (B.4391) from Bala to Blaenau-Ffestiniog in the County of Merioneth are invited to submit their names and brief particulars of similar work recently carried out by them to the Water Engineer, 55 Dale-street, Liverpool, 2, not later than SATURDAY, the 23rd MAY, 1959.

Contract documents would be sent to the selected Tenderers as soon as they have been prepared.

THOMAS ALKER,
Town Clerk.

Municipal Buildings,
Liverpool, 2. J5639.

CITY OF LIVERPOOL.

WORKS IN THE TRYWERYN VALLEY, MERIONETHSHIRE.

SUPPLY OF STONE.

Suppliers of stone who wish to be considered for TENDERING as Sub-Contractors for the supply of dressed and other stone for use in contracts to be let for the construction of a reservoir and other works in the Tryweryn Valley, near Bala, in the County of Merioneth are invited to submit their names to the Water Engineer, 55 Dale-street, Liverpool 2, not later than SATURDAY, the 23rd MAY, 1959.

Contract documents would be sent to Tenderers as soon as they have been prepared by the Engineers, Messrs. Binnie, Deacon and Gourley, Chartered Civil Engineers, Artillery House, Artillery Row, Westminster, London, S.W.1 and the Water Engineer, Liverpool Corporation.

THOMAS ALKER,
Town Clerk.

Municipal Buildings,
Liverpool, 2. J5638.

COUNTY BOROUGH OF SUNDERLAND.

EXTENSIONS TO CENTRAL PUBLIC LIBRARY.

TENDERS are invited for the above work. Bills of Quantities and Form of Tender obtainable from Borough Architect, Grange House, Stockton-road, Sunderland, on payment of £2 2s. 0d. deposit, refundable on receipt of a bona fide Tender. Cheques payable to "Sunderland Corporation."

Sealed Tenders, endorsed "Tender for . . ." (as in heading hereof) must be addressed to me and received at my office, Town Hall, not later than 1st JUNE, 1959.

G. S. McINTIRE,
Town Clerk.

URBAN DISTRICT COUNCIL OF COSELEY.

TENDERS—TRADITIONAL HOUSING.

TENDERS are invited for the ERECTION OF 4 BLOCKS OF 4 2-STOREY 2-BEDROOM FLATS and 4 BLOCKS OF 4 2-STOREY 1-BEDROOM FLATS (32 dwellings) at Ettingshall-road Housing Site, Coseley.

Applications for Forms of Tender and Bills of Quantities to be made to me not later than Tuesday, 12th May, 1959, accompanied by a deposit of two guineas (cheques to be payable to Coseley U.D.C.) which will be refunded on receipt of bona fide Tenders not subsequently withdrawn and the return of documents.

Sealed Tenders in the envelopes provided must be sent so as to reach me, the undersigned, not later than FIRST POST on TUESDAY, 16th JUNE, 1959.

The Council do not bind themselves to accept the lowest or any Tender.

JOSEPH C. ROPER,
Clerk of the Council.

Council House,
Coseley,
Staffs.
1st May, 1959.

COUNTY BOROUGH OF CROYDON.

HOSTEL FOR 40 OLD PEOPLE.

Contractors wishing to TENDER for the CONVERSION of "Norbury Hall," Craignish-avenue, Norbury, and an extension comprising kitchen, lift and 30 rooms, are invited to apply to the Borough Engineer for the Tender Form and Bills of Quantities.

Closing date for Tenders 12 NOON on 5th JUNE, 1959.

E. TABERNER,
Town Clerk.

Town Hall,
Croydon.

BOROUGH OF BRENTFORD AND CHISWICK.

TO BUILDING CONTRACTORS.

Firms desirous of having their names upon a list of approved contractors from whence the Council will invite tenders for building work

(a) up to £15,000 in value;
(b) from £15,000 to £25,000 in value;
(c) from £25,000 to £50,000 in value; and
(d) over £50,000 in value

should make application on or before the 20th MAY, 1959, to the Borough Engineer and Surveyor, Town Hall, Chiswick, W.4. Applicants must forward particulars of contracts recently executed by them and indicate the range of work stated above for which they wish to be considered.

W. F. J. CHURCH,
Town Clerk.

Town Hall,
Chiswick, W.4.

MARCH URBAN DISTRICT COUNCIL.

INSTALLATION OF HOT WATER SYSTEMS, ETC.

FIXED PRICE TENDERS are invited for the INSTALLATION OF HOT WATER SYSTEMS, etc., in 26 pre-war dwellings at Peas Hill-road, March. Applications for Drawings, Specification and Form of Tender must be made to Mr. W. S. Pickett, M.I.Mun.E., M.I.R.A., Architect and Surveyor, Town Hall, March, Cambs. A deposit of £1 1s. 0d. must accompany the application which will be returned on receipt of a bona fide Tender and the return of all documents issued. Cheques should be made payable to March Urban District Council.

Tenders must be delivered by not later than 9 a.m. on SATURDAY, 23rd MAY, 1959, to the Clerk of the Council, Town Hall, March, Cambs, in plain sealed envelopes endorsed "Tender for Hot Water Systems, Peas Hill Houses."

The Council do not bind themselves to accept the lowest or any Tender.

E. A. LITTLER,
Clerk of the Council.

Town Hall,
March,
Cambs.
28th April, 1959.

COUNTY BOROUGH OF BRIGHTON.

FIXED PRICE TENDERS are invited for:—

PROVISION OF NEW OIL-FIRED BOILER PLANT in the Town Hall.

Specifications and Form of Tender may be obtained from the Borough Surveyor, Engineer and Planning Officer, 26-30 King's-road, Brighton, on and after Monday, 11th May, 1959, on receipt of a returnable deposit of £2 2s. 0d. Tenders are to be returned to the Town Clerk in the plain sealed envelopes provided, not bearing any name or mark indicating the sender, not later than NOON on MONDAY, 1st JUNE, 1959.

W. O. DODD,
Town Clerk.

Town Hall,
Brighton, 1.
1st May, 1959.

COUNTY BOROUGH OF BRIGHTON.

FIXED PRICE TENDERS are invited for:—

ERECTION OF THREE-STOREY BLOCK OF 18 FLATS AT MOULSECOOMB-WAY—APPLEDORE-ROAD, BRIGHTON.

Bills of Quantities and Form of Tender may be obtained from the Borough Surveyor, Engineer and Planning Officer, 26-30 King's-road, Brighton, on and after Monday, 4th May, 1959, on receipt of a returnable deposit of £2 2s. 0d. Drawings may be inspected on application to the Borough Surveyor's Office. Tenders are to be delivered to the Town Clerk in the plain sealed envelope provided, not bearing any name or mark indicating the sender, not later than NOON on MONDAY, 1st JUNE, 1959.

W. O. DODD,
Town Clerk.

Town Hall,
Brighton, 1.
1st May, 1959.

BRISTOL EDUCATION COMMITTEE.

TENDERS invited for COVERING OF FLOORS WITH LINO, TILES AND P.V.C. TILES at the College of Technology (Brunel House).

Specifications from Chief Education Officer, Council House, Bristol, 1.

BOGNOR REGIS URBAN DISTRICT COUNCIL.

IMPROVEMENTS TO 31 COUNCIL HOUSES, COLLYER-AVENUE, BOGNOR REGIS.

FIXED-PRICE CONTRACT.

FIXED-PRICE TENDERS are invited for IMPROVEMENTS to 31 COUNCIL HOUSES at Collyer-avenue, Bognor Regis.

Copies of the drawings, specification and forms of tender may be obtained from the Engineer and Surveyor, Town Hall, Bognor Regis, on payment of £2 2s. deposit, which is returnable upon receipt of a bona fide tender and the documents.

The tender must be returned to the undersigned in the envelope provided not later than the first post on TUESDAY, the 19th of MAY, 1959.

The Council do not bind themselves to accept the lowest or any tender.

R. W. J. HILL,
Clerk of the Council.

Town Hall,
Bognor Regis.

SEVENOAKS RURAL DISTRICT COUNCIL.

HALE-LANE, OTFORD.

FIRM-PRICE TENDERS are invited for the ERECTION OF TWO BLOCKS OF FOUR FLATS and EIGHT PAIRS OF HOUSES on the above site.

Form of Tender, Specification and Bills of Quantities may be obtained from the Council's Engineer and Surveyor on payment of a deposit of Two Guineas. The deposit will be refunded after the delivery of a bona fide tender, not subsequently withdrawn.

Tenders must be returned to the undersigned by 10 a.m. on TUESDAY, 9th JUNE, 1959.

The Drawings and Conditions of Contract may be inspected at the office of the Engineer and Surveyor during normal office hours.

The Council does not bind itself to accept the lowest or any tender.

B. H. EDWARDS,
Clerk to the Council.

Inglewood,
Oak Hill-road,
Sevenoaks,
Kent.
30th April, 1959.

COUNTY COUNCIL OF THE WEST RIDING OF YORKSHIRE.

TENDERS are invited for the ADAPTATION OF THE H.O.R.S.A. HUT FOR USE AS A DINING ROOM AND SCULLERY at Aston Swallownest Secondary School.

Plans and Specification are now available for inspection at the office of the Divisional Architect, Planet-road, Adwick-le-Street, Doncaster.

Applications to tender must be addressed to the Divisional Architect and received not later than the 18th MAY, 1959; the relevant documents will be despatched that day.

The Contract will be under the provisions of the R.I.B.A. Conditions and Form of Agreement where Bills of Quantities do not form part of the Contract.

Sealed Tenders must be addressed to me, the undersigned, and received at Room 3, County Hall, Wakefield, not later than 12 noon on the 1st JUNE, 1959.

BERNARD KENYON,
Clerk of the County Council.

COUNTY COUNCIL OF ESSEX.

(1) Stratford Court House: IMPROVEMENTS.

(2) Mountnessing C. of E. (Controlled) Primary School: TWO ADDITIONAL CLASSROOMS, etc.

Contractors wishing to submit FIRM PRICE TENDERS for the erection of the above should forward their names, from which panels will be chosen and provided with tender documents.

(1) Alterations and improvements to Administrative and Lavatory Accommodation and heating improvements, estimated cost £2,700.

(2) Two additional classrooms, etc., in traditional construction, estimated cost £10,000.

The private architects for these contracts are (1) Vine and Vine, Station-road, Wood Green, and (2) F. G. Frizzell, 80 Portland-place, W.1.

Separate applications for each contract to reach the undersigned not later than 16th MAY, 1959.

H. CONOLLY, C.B.E., F.R.I.B.A.,
County Architect.

County Hall,
Chelmsford.

CITY OF CARDIFF.

PAINTING OF CLARENCE BRIDGE OVER RIVER TAFF.

FIXED PRICE TENDERS are invited for the Painting of Clarence Bridge over the River Taff, Cardiff.

Drawings, Specification and Conditions of Contract may be inspected at the City Surveyor's Office, City Hall, Cardiff.

Copies of the Specification and Conditions of Tender may be obtained on and after Monday, 11th May, 1959, from the City Surveyor, upon payment of a deposit of £2 2s. 0d. to the City Treasurer and Controller.

Tenders will not be considered unless enclosed in a plain sealed envelope endorsed, "Tender for Painting of Clarence Bridge" addressed to the undersigned at the City Hall, Cardiff, and sent by registered post so as to be received not later than FRIDAY, 29th MAY, 1959.

The envelope must not bear the name of, or any mark indicating the identity of the Tenderer.

The Council does not bind itself to accept the lowest or any Tender.

S. TAPPER-JONES,
Town Clerk.

29th April, 1959.

COUNTY BOROUGH OF MERTHYR TYDFIL.

GURNOS NEIGHBOURHOOD UNIT.

(1) CONTRACT FOR ADVANCE PREPARATION OF HOUSING SITE.
(2) CONTRACT FOR ERECTION OF 299 HOUSES.

Contractors are invited to submit TENDERS for either or both of the above contracts and should submit a written notification of their desire to Tender to the office of the Engineer and Surveyor, Town Hall, Merthyr Tydfil, by SATURDAY, 16th MAY, 1959. A deposit of 5 guineas must be enclosed in respect of each contract and cheques must be made payable to the County Borough of Merthyr Tydfil. The deposits in each case will be returned on receipt of a bona fide Tender which is not subsequently withdrawn.

Documents and particulars of contract will be forwarded to applicants within the week following the above date. Enquiries in connection with these contracts will be dealt with at the above address during normal office hours.

The Council do not bind themselves to accept the lowest or any Tender submitted.

T. S. EVANS,
Town Clerk.

Town Hall,
Merthyr Tydfil.
28th April, 1959.

BOROUGH OF DUNSTABLE.

ERECTION OF A SPORTS PAVILION.

TENDERS are invited for the ERECTION of a SPORTS PAVILION on the Bennett Memorial Recreation Ground, consisting of a single storey mono-pitched structure accommodating a Pavilion Room and Changing Rooms. Tenders must be submitted on a FIRM PRICE basis.

Applications for tender documents should be forwarded, together with a deposit of £2 2s. to the Borough Engineer, at this address, not later than 15th MAY, after which date the documents will be issued. The deposit will be returnable upon the receipt of a bona fide tender not subsequently withdrawn.

Tenders must be received by the Town Clerk not later than noon on the 12th JUNE, 1959.

The Council do not bind themselves to accept the lowest or any tender.

JACK SMITH,
Town Clerk.

Municipal Offices,
Dunstable,
Beds.
28th April, 1959.

CITY OF CARLISLE.

ENGINEERING SERVICES—HARRABY SECONDARY SCHOOL EXTENSION.

TENDERS are invited for the above and are returnable to the undersigned by THURSDAY, 21st MAY, 1959, in plain sealed envelopes endorsed "Engineering Services, Harraby Secondary School Extension."

Particulars from City Surveyor, 18 Fisher-street, Carlisle.

H. D. A. ROBERTSON,
Town Clerk.

CITY AND COUNTY OF NORWICH.

TO BUILDERS AND CONTRACTORS.

TENDERS are invited for the ERECTION OF SALE BUILDINGS on the New Cattle Market at Harford, Norwich.

Bills of Quantities, Forms of Tender, etc., may be obtained and the Stipulations of Contract inspected at the City Engineer's Office.

Tenders, on the forms supplied, enclosed in sealed envelopes, endorsed "Tender for Cattle Market" and addressed to the Chairman of the Markets Committee, must be sent to the City Engineer, City Hall, Norwich, by not later than 10 a.m. on MONDAY, 25th MAY, 1959.

The Corporation does not bind itself to accept the lowest or any tender.

COUNTY BOROUGH OF READING.

TO PLUMBING AND HEATING ENGINEERS.

FIRM PRICE TENDERS are invited for the removal of existing injector Hot Water Systems, and to supply and fix approximately 150 Gas Water Heaters at Anglefield and Whitley Estates. General Conditions may be inspected and tender form and specification obtained from the Housing Manager, Town Hall, Reading. Tenders to the Town Clerk, by Noon, 29th MAY, 1959. No tender considered unless enclosed in the endorsed envelope provided bearing no indication of sender. The Corporation do not bind themselves to accept any tender.

COUNTY BOROUGH OF READING.

TO BUILDING CONTRACTORS.

FIRM PRICE TENDERS are invited for the ERECTION OF A CLINIC at Grove-road, Emmer Green, Reading. General Conditions may be inspected and Bills of Quantities, etc., obtained from the Borough Architect, Town Hall, Reading, on application to him, accompanied by a cheque for £2 2s. 0d. (made payable to the Reading Corporation) which will be refunded on receipt of a bona fide tender not subsequently withdrawn. Tenders to Town Clerk, Town Hall, Reading, by noon on THURSDAY, 4th JUNE, 1959. No tender considered unless enclosed in the endorsed envelope provided, which shall bear no indication of the sender. The Corporation do not bind themselves to accept the lowest or any tender.

BRIERLEY HILL URBAN DISTRICT COUNCIL.

MARKET-STREET HOUSING SITE. SECTION 4.

SCHEMES
"QQ" 50, "RR" 42, "SS" 36.

Builders able to provide the necessary labour to carry out the ERECTION of one or more of the above three groups totalling 128 HOUSES are asked to signify their willingness to tender for the work to the Council's Architect and Housing Director, J. R. Moore, A.R.I.B.A., Civic Buildings, Brierley Hill (at whose offices the drawings and Conditions of Contract may be inspected) not later than WEDNESDAY, 13th MAY, 1959.

Bills of Quantities are in course of preparation and a deposit of Two Guineas made payable to the Brierley Hill Urban District Council will be required before the documents are issued.

Tenders are required to be submitted on a FIXED PRICE BASIS.

The Council does not bind itself
(a) to accept the lowest or any tender;
(b) to let the groups as separate contracts but may decide on one whole contract.

HERBERT HEX,
Clerk of the Council.

CASTLE DONINGTON RURAL DISTRICT COUNCIL.

TENDERS are invited from Contractors with plant and experience of similar work for the ERECTION of ONE BUILDING comprising 3 LOCK-UP SHOPS and 2 FLATS on Park-lane Estate, Castle Donington.

Contractor will be required to tender for this Contract on fixed prices for labour and materials and a Fidelity Bond will be required.

Bills of Quantities may be obtained from the Architects, McCarthy, Collings & Co., 187 Forest-road, Coalville, upon payment of a deposit of £2 2s. by cheque, to be made payable to Castle Donington R.D.C., and returnable on receipt of a bona fide tender.

Application to tender should be made not later than 12th MAY, 1959, and tenders should reach the undersigned in sealed envelopes endorsed "Tender, Shops and Flats," by 4 p.m., on MONDAY, 15th, JUNE 1959.

The Council do not undertake to accept the lowest or any tender.

E. HALLAM,
Clerk of the Council.

Council Offices,
Clapgun-street,
Castle Donington,
Derby.

BOROUGH OF RICHMOND (SURREY).

TO BUILDERS.

TENDERS are invited for ALTERATION WORKS and REDECORATION at 10 Kings-road, Richmond.

Drawings and specification may be obtained from the Borough Engineer and urveyor, Hotham House, Heron Court, Richmond, upon receipt of a deposit of Two Guineas (returnable upon receipt of a bona fide tender not subsequently withdrawn).

Tenders, sealed in envelope provided, must be received not later than 1st JUNE, 1959.

The Council do not bind themselves to accept the lowest or any tender.

CLIFFORD HEYWORTH,
Town Clerk.

Town Hall,
Richmond,
Surrey.

LEATHERHEAD URBAN DISTRICT COUNCIL.

TENDERS are invited for EXTERNAL PAINTING AND REPAIRS OF 5 DWELLINGS, 2 BLOCKS OF FLATS AND 1 BLOCK OF OFFICES in Leatherhead District.

Specifications obtainable from Engineer and Surveyor, Red House, Leatherhead.

Tenders to the undersigned returnable noon 29th MAY, 1959.

J. EDE,
Clerk of the Council.

Council Offices,
Leatherhead.

CITY AND COUNTY OF BRISTOL.

TO BUILDING CONTRACTORS.

Education Committee invites TENDERS for ERECTION OF BUILDING FOR DEPARTMENT OF WOMEN'S SUBJECTS, College of Technology, Ashley Down, Bristol. Floor area about 23,000 square feet, mainly pre-cast concrete frame construction with pre-stressed suspended floors in three storeys.

Alternative Tenders Required for (a) fixed price, and (b) with fluctuations clause.

Apply to City Architect, Council House, Bristol, 1, by 15th MAY, enclosing two guineas' deposit, payable to Bristol Corporation, refundable on receipt of bona fide Tender.

Bills of Quantities will be available early in June, 1959.

COUNTY OF CORNWALL.

NOTICE IS HEREBY GIVEN of the intention to let separately the Sub-Contracts for STEELWORK and ALUMINIUM WINDOWS in connection with the new Infants' School at Treliske, Truro.

Applications are invited for permission to submit a FIXED PRICE TENDER for these Sub-Contracts and should be made to the County Architect, County Hall, Truro, not later than TUESDAY, 19th MAY, 1959, from which a selected number of firms will be invited to tender. The closing date for receipt of tenders will be notified when the documents are despatched.

The lowest or any tender will not necessarily be accepted nor will the County Council pay to Contractors any fees or expenses incurred in the preparation of tenders.

E. T. VERGER,
Clerk of the County Council.

County Hall,
Truro.
30th April, 1959.

DURHAM COUNTY COUNCIL.

TENDERS invited:—
Consett New Technical College (a) HEATING AND D.H.W. INSTS.
Durham City New Branch Library (a) ERECTION.

Application for further details to County Architect, South-street, Durham, not later than 20th MAY, 1959.

J. K. HOPE,
Clerk of the County Council.

Shire Hall,
Durham.

LEEDS REGIONAL HOSPITAL BOARD.

TO BUILDING CONTRACTORS.

FIXED PRICE TENDERS are invited for the ERECTION of a NEW X-RAY DEPARTMENT at Halifax General Hospital, Halifax.

Applications for Form of Tender and Bills of Quantities accompanied by a deposit of £2 2s. 0d. (which will be refunded on receipt of a bona fide Tender and other contract documents) must be made to the Architect to the Board at the undermentioned address not later than 12 NOON on 19th MAY, 1959. Cheques should be made payable to the "Leeds Regional Hospital Board" and crossed.

A copy of the drawings, Conditions of Tender and Conditions of Contract may be inspected at the office of the Architect to the Board (or at the office of Messrs. Richard Pickles and Partner, Chartered Architects, 1 Harrison-road, Halifax).

Three weeks will be allowed for Tendering.

The Board does not bind itself to accept the lowest or any Tender.

WM. A. SHEE,
Secretary to the Board.

Park-parade,
Harrogate,
Yorks.

CRAWLEY URBAN DISTRICT COUNCIL.

RE-TILING OF EIGHT HOUSES, IFIELD-ROAD, CRAWLEY.

TENDERS are invited for RE-TILING EIGHT HOUSES in Ifield-road, Crawley. Specification and Form of Tender may be obtained from the Engineer and Surveyor, Goffs Park House, Horsham-road, Crawley.

Completed Tenders, in plain sealed envelopes endorsed "Tender for re-tiling roofs, Ifield-road, Crawley," must be delivered to the undersigned by 12 NOON on 25th MAY, 1959.

The Council does not bind itself to accept the lowest or any Tender.

R. W. J. TRIDGELL,
Clerk of the Council.

Robinson House,
Robinson-road,
Crawley,
Sussex.

BANSTEAD URBAN DISTRICT COUNCIL.

SIXTEEN THREE-BEDROOM TRADITIONAL TYPE HOUSES.

FIXED PRICE TENDERS are invited for the ERECTION OF ONE BLOCK OF FOUR AND SIX SEMI-DETACHED DWELLINGS off Partridge Mead—Nork Housing Estate.

Bills of Quantities may be obtained from the Engineer and Surveyor (deposit £2 2s. 0d.).

Plans may be inspected in the Engineer and Surveyor's Department during office hours.

Tenders must be delivered to the undersigned by MONDAY, 1st JUNE, 1959, sealed in the envelope provided.

The Council do not bind themselves to accept the lowest or any Tender.

F. L. SHAW,
Clerk of the Council.

The Council House,
Brighton-road,
Banstead,
Surrey.
May, 1959.

BOROUGH OF WOOD GREEN.

WHITE HART LANE RECREATION GROUND PAVILION.

The Council invite TENDERS for the EXECUTION OF ALTERATIONS AND EXTENSIONS to the Pavilion at White Hart Lane Recreation Ground, Wood Green, N.22.

Form of Tender, Specification and Drawing may be obtained from the Borough Engineer, Town Hall, Wood Green, N.22, upon payment of a deposit of £1 1s. 0d., which will be refunded on receipt of a bona fide tender, provided it is not withdrawn.

The Conditions of Contract are the Standard R.I.B.A. conditions and may be inspected at the office of the Borough Engineer.

Tenders, in plain sealed envelopes, endorsed "Tender for White Hart Lane Recreation Ground Pavilion," but bearing no name or mark indicating the sender, must be returned to the undersigned not later than noon on MONDAY, 1st JUNE, 1959.

A. BARNETT,
Town Clerk.

Town Hall,
Wood Green, N.22.
4th May, 1959.

METROPOLITAN BOROUGH OF WANDSWORTH.

FLATS—GARRATT-LANE.

Contractors wishing to TENDER for ERECTION OF 5-STOREY BLOCK OF 30 FLATS should submit names to me by WEDNESDAY, 27th MAY, 1959, giving details of experience, plant and technical and supervisory staff available together with names of two technical and two financial referees. Bills of Quantities will be issued to selected contractors in due course.

Drawings may be examined at office of architect, Mr. C. Lovett Gill, F.R.I.B.A., 41 Russell-square, W.C.1.

J. NOEL MARTIN,
Town Clerk.

Municipal Buildings,
Wandsworth, S.W.18.

BOROUGH OF MAIDENHEAD.

CONVERSION OF 163 GRENFELL-ROAD, MAIDENHEAD.

The Council invites TENDERS for the above works involving the DEMOLITION OF THREE SMALL BUILDINGS, THE INTERNAL ALTERATION, REPAIR and DECORATION of the MAIN HOUSE and OUTBUILDINGS to form, when complete, accommodation for 10 elderly people.

Form of Tender, Specification and Drawings may be obtained from the Office of the Borough Engineer and Surveyor, 14 Craufurd-rise, Maidenhead, on payment of a deposit of £1 1s. 0d. which will be refunded upon receipt of a bona fide Tender and the return of all documents.

Tenders on the prescribed form and in a plain envelope endorsed "163 Grenfell-road" and bearing no mark or indication of the sender must be delivered to me not later than NOON on FRIDAY, 5th JUNE, 1959.

The Council does not bind itself to accept the lowest or any other Tender.

STANLEY PLATT,
Town Clerk.

Guildhall,
Maidenhead,
Berks.
May, 1959.

COUNTY BOROUGH OF BLACKBURN.

EXTENSION TO NEW TECHNICAL COLLEGE.

TENDERS will be invited from selected contractors for the ERECTION of the two buildings forming this extension; value approximately £250,000. Bills of quantities and typical working drawings available from 19th May next.

Contractors wishing to be considered for inclusion on the list of Tenderers should apply by 15th MAY, 1959 in writing to Messrs. Willink & Dod, F/A.R.I.B.A., Cunard Building, Liverpool, listing similar contracts completed. Three guineas' deposit returnable on receipt of a bona fide Tender.

FRANK SQUIRES,
Town Clerk.

* **A Tola Sideboard** from the Link range made by Lebus .. .. Retail price £30.4.6.

The pull-down flap is covered in heat and stain resistant black Perstorp.

PERSTORP DISTRIBUTORS: **London & Home Counties** C. F. Anderson & Son Ltd. *Harris Wharf, Graham Street, London, N.1.* Geo. E. Gray Ltd. *Joinant House, Eastern Avenue, Ilford, Essex.* Heaton Tabb & Co. Ltd. *Cobbold Road, N.W.10.* **West Country & Wales** Channel Plastics Ltd *Flowers Hill, Brislington, Bristol 4.* **Midlands & Area** Rudders & Paynes Ltd. *Chester Street, Aston, Birmingham 6.* **N. E. England** A. J. Wares Ltd. *King Street, South Shields.* **N. W. England** Heaton Tabb & Co. Ltd. *55 Bold Street, Liverpool 1.* **Scotland** Nevill Long & Co. (Boards) Ltd. *Rivaldsgreen, Linlithgow, West Lothian.* **N. Ireland** John McNeill Ltd. *109 Corporation Street, Belfast.*

Perstorp is the original plastic laminate and yet the most up-to-date. In a world where the word 'contemporary' is bandied about too glibly Perstorp comes as a refreshing surprise to those furniture manufacturers who know what's what when it comes to colour and finish.

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Early delivery from Midland and Southern factories

LEEDS REGIONAL HOSPITAL BOARD.

TO BUILDING CONTRACTORS.

FIXED PRICE TENDERS are invited for carrying out EXTENSIONS TO THE PATHOLOGICAL LABORATORY at the Hospital, Middleton-in-Wharfedale.

Applications for Form of Tender and Bills of Quantities accompanied by a deposit of £2 2s. 0d. (which will be refunded on receipt of a bona fide Tender and other contract documents) must be made to the Architect to the Board at the undermentioned address not later than 12 NOON on 19th MAY, 1959. Cheques should be made payable to the "Leeds Regional Hospital Board" and crossed.

A copy of the drawings, Conditions of Tender and Conditions of Contract may be inspected at the office of the Architect to the Board (or at the office of Messrs. Mortimer Partners, Chartered Architects, Ainderby Hall, Northallerton).

Three weeks will be allowed for Tendering.

The Board does not bind itself to accept the lowest or any Tender.

WM. A. SHEE,
Secretary to the Board.

Park-parade,
Harrogate,
Yorks.

COUNTY COUNCIL OF THE WEST RIDING OF YORKSHIRE.

TENDERS are invited for ADAPTATION WORKS AT HOOBER HOUSE ANNEXE TO LADY MABEL COLLEGE OF PHYSICAL EDUCATION, Wentworth Woodhouse, near Rotherham.

Applications to tender must be addressed to the County Architect, Bishopgarth, Westfield-road, Wakefield and received not later than the 15th MAY, 1959; the relevant documents will be despatched that day.

The Contract will be under the provisions of the R.I.B.A. conditions and Form of Agreement where Bills of Quantities do not form part of the contract.

Sealed tenders must be addressed to me, the undersigned, and received at Room 3, County Hall, Wakefield, not later than 12 noon on the 1st JUNE, 1959.

BERNARD KENYON,
Clerk of the County Council.

CITY OF CARLISLE.

ERECTION OF 100 DWELLINGS—MORTON ESTATE.

TENDERS are invited for the above.

Bills of Quantities will be available from the City Surveyor, 18 Fisher-street, Carlisle.

Tenders to be returned by 25th MAY, 1959.

H. D. A. ROBERTSON,
Town Clerk.

NEWTON - LE - WILLOWS URBAN DISTRICT COUNCIL.

FIXED PRICE TENDERS are invited for the ERECTION OF 42 BUNGALOWS on the Heald Farm Estate.

Specifications and Bills of Quantities will be available after 13th May, 1959, and may be obtained from W. S. Roscoe, M.I.Mun.E., Engineer and Surveyor, Market Chambers, Market-street, Newton-le-Willows, upon payment of a deposit of £2 2s. 0d., payable to Newton-le-Willows U.D.C.

The deposit will be returned on receipt of a bona fide Tender (not subsequently withdrawn), and the return of all documents supplied.

Plans may be inspected at the office of the Engineer and Surveyor.

Tenders in plain sealed envelopes endorsed "Tender—42 Bungalows" to be received by the undersigned not later than NOON on MONDAY, 1st JUNE, 1959.

The Council do not bind themselves to accept the lowest or any Tender.

J. ROBERTS,
Clerk of the Council.

Town Hall,
Market-street,
Newton-le-Willows,
Lancashire.

BOROUGH OF SWINDON.

PARK NORTH JUNIOR SCHOOL.

TENDERS are to be invited for the ERECTION of the above school, comprising single-storey buildings and two-storey classroom block of traditional construction.

Contractors wishing to be considered for inclusion in the list of Tenderers should notify the Borough Architect, Civic Offices, Swindon, not later than 15th MAY, 1959, giving particulars of similar works undertaken.

D. MURRAY JOHN,
Town Clerk.

Civic Offices,
Swindon.

COUNTY BOROUGH OF CROYDON.

TENDERS are invited for REMOVAL OF SLOPING FLOORS at the Winterbourne School, Winterbourne-road, Croydon.

Apply for Specification, etc., to the Chief Education Officer, Katharine-street, Croydon, with a deposit of £1 returnable on receipt of a bona fide tender.

Tenders in plain sealed envelopes, endorsed "Removal of Sloping Floors—Winterbourne" must be delivered to me by noon on TUESDAY, the 26th MAY, 1959.

E. TABERNER,
Town Clerk.

Town Hall,
Croydon.

CITY OF WORCESTER.

ERECTION OF COLLEGE OF FURTHER EDUCATION.

Registered Building Contractors are invited to submit their names to be considered for inclusion in a list of contractors to be invited to tender for the construction of the first instalment of a new College of Further Education in Deansway, Worcester. Further details giving an outline of the scheme and forms of application for permission to tender may be obtained from the Architects, Messrs. Richard Sheppard, Robson and Partners, 5 Southampton-place, London, W.C.1. Bills of Quantities are expected to be ready EARLY IN JUNE, 1959.

Contractors wishing to be considered should post the form of application to the Director of Education, 13 High-street, Worcester, to arrive not later than 20th MAY, 1959.

BERTRAM WEBSTER,
Town Clerk.

Guildhall,
Worcester.

PUBLIC APPOINTMENTS

NORTH WEST METROPOLITAN REGIONAL HOSPITAL BOARD.

ASSISTANT ARCHITECT. Good experience of design and construction necessary preferably in hospital work. Applicants must be Associate Members of the R.I.B.A. Salary scale: £730 x £25(2) x £30(2) x £35 (5) x £40(1)-£1,055 plus £20-£50 London Weighting. Ref. 724.

ARCHITECTURAL ASSISTANTS also required. Applicants must have Inter. R.I.B.A. Salary scale: £545 (age 21) x £20(3) x £25(4) x £30(2)-£765 plus £20-£30 London Weighting. Ref. 725.

Commencing salary above minimum may be paid according to relevant practical experience appropriate to the posts. Whitley Council conditions, superannuable.

Apply, stating age, qualifications (with dates) and experience together with the names and addresses of two referees, to Secretary, North West Metropolitan Regional Hospital Board, 40 Eastbourne Terrace, London, W.2, by 18th MAY, 1959, quoting appropriate reference number.

LEEDS REGIONAL HOSPITAL BOARD.

PROPOSED NEW GENERAL HOSPITAL AT HUDDERSFIELD.

CLERK OF WORKS (BUILDING AND STRUCTURAL).

Applications are invited for the appointment of a TEMPORARY CLERK OF WORKS (Building and Structural), in connection with the construction of a new (600-bed approximate contract value £3,500,000) General Hospital at Huddersfield. Salary £1,000 per annum.

This project will be carried out in consecutive phases under the direction of the Regional Architect, F. B. Nash, A.R.I.B.A., and Messrs. Pite, Son and Fairweather. Preliminary contracts for the formation of the perimeter road and services ring mains and for the work of bulk excavation have been completed. The main building contract is scheduled to start in July/August, 1959, and to continue thereafter for a period of approximately six years.

Applicants must possess a thorough knowledge of all aspects of the building trade and must have had extensive experience as Clerks of Works on multi-storey reinforced concrete framed buildings. Membership of the Institute of Clerks of Works or the possession of the Clerk of Works Diploma of the Association of Building Technicians an advantage.

Applications, stating age, qualifications, previous experience, together with the names of two Architects to whom reference may be made, to the Secretary, Park Parade, Harrogate, not later than 16th MAY, 1959.

NEWCASTLE REGIONAL HOSPITAL BOARD.

REGIONAL ARCHITECT'S DEPARTMENT.

PERMANENT STAFF CLERK OF WORKS.

Applications are invited for the appointment of a PERMANENT CLERK OF WORKS (BUILDING) on the Headquarters staff of the Regional Architect in Newcastle to supervise the erection of buildings at hospitals in Northumberland and the northern portion of County Durham, under the direction of the Regional Architect and private architects employed by the Board. The duties of the post involve an appreciable amount of travelling and the successful applicant will be required to drive his own car for which he will receive a travelling allowance on a mileage basis.

Applicants for the post must possess a thorough knowledge of the building trade and have had previous experience as a Clerk of Works. They should also have had experience of specialised engineering services. Membership of the Institute of Clerks of Works or possession of the Clerk of Works Diploma of the Association of Building Technicians would be an advantage.

The salary scale will be £660 x £20 (1) x £25 (4)—£780 and the conditions of service will be those set out in Whitley Circulars P.T.B. 66 and 100.

Applications, stating age, qualifications, previous experience and date when available, together with the names of three architects to whom reference may be made, should be enclosed in an envelope endorsed "Clerk of Works" and must be forwarded to the Secretary to the Board, Benfield-road, Newcastle upon Tyne, 6, not later than 14th MAY, 1959.

BOROUGH OF LUTON.

Applications invited for temporary QUANTITY SURVEYING ASSISTANT, General Division (£240) to Special Scale (£750 x £40-£1,030). Appointment will be for a period of approximately two years in first instance and commencing salary will be fixed in accordance with experience and qualifications. Application form from Borough Architect, Town Hall, Luton, returnable by 16th MAY, 1959.

TEMPORARY ASSISTANT

MAINTENANCE SURVEYORS required by Ministry of Works in Glasgow, Leeds or Manchester. National salary scale £805 (at age 25)-£1,260 p.a. Starting pay up to £1,095 p.a. (at age 34) according to age. Five-day week, twenty-two days' annual leave. Prospects of promotion and eventual opportunities of permanent and pensionable posts. Applicants must be Registered Architects or Corporate Members of the R.I.C.S. (Building Section). Apply stating age, qualifications and full details of experience to Chief Maintenance Surveyor (Recruitment), M.O.W., Stanley House, Marsham-street, London, S.W.1.

THE UNIVERSITY OF SHEFFIELD.

Applications are invited from suitably qualified persons for the position of ADMINISTRATIVE ASSISTANT in the Planning Office of the Bursar's Department. Duties mainly to assist in administrative work in connection with planning progress and control of new building projects. Applicants need not possess technical qualifications but should be familiar with building work, contract procedure and costing. Experience of Committee work desirable. Salary in the scale £650 x £50—£850, with Children's Allowances and F.S.S.U. benefits. Further information and forms of application may be obtained from the Bursar, The University, Western Bank, Sheffield 10. Applications should be sent within 10 DAYS from the date of this advertisement.

BOROUGH OF HORNSEY.

TWO TEMPORARY ARCHITECTURAL ASSISTANTS Required for the Architects' Section of the Borough Engineer and Surveyor's Department. Grades A.P.T. I and II. Salaries (new scales) £610-£765 and £765-£880, plus London Weighting. Commencing salary according to experience.

Application form from Borough Engineer and Surveyor, Town Hall, Crouch End, London, N.8, to be returned by WEDNESDAY, 20th MAY, 1959.

H. BEDALE,
Town Clerk.

LONDON COUNTY COUNCIL.

Vacancies for ENGINEERING ASSISTANTS (up to £860) and ENGINEERS, Grade III (up to £1,090) (scales at present under review) in:—

(a) STRUCTURAL ENGINEERING DIVISION—Extensive programme includes multi-storey flats, schools, offices, warehouses and other buildings; and,

(b) DISTRICT SURVEYORS' SERVICE—In districts coinciding with one exception, with Metropolitan Borough Boundaries. Work mainly outside involving negotiations with architects, engineers and surveyors and supervision of works in progress. Good prospects in both of these aspects of the Council's work.

Application form and particulars from Hubert Bennett, F.R.I.B.A., Architect to Council, AR/EK/45/59, County Hall, S.E.1. (925.)

BRACKNELL DEVELOPMENT CORPORATION.

Applications are invited for the post of QUANTITY SURVEYOR. Salary range £934-£1,146 (under review). Preference will be given to Corporate members of the R.I.C.S. Duties embrace Housing, Town Centre and Industrial buildings. Superannuation schemes, medical examination. Housing available. Apply by 25th MAY, 1959, giving age, education and qualifications, experience and appointments held (with dates and salaries) and names of two referees, to General Manager (Q.S.), Bracknell Development Corporation, Farley Hall, Bracknell, Berks.

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Built-in drag loader shovel . . . accurate hydraulic weigher . . . precise water control . . . made from high strength alloy steel . . . complete enclosure of vital parts . . . easy accessibility . . . long life drum and blades . . . high speed operation . . . low maintenance costs . . . minimum labour requirements.
BLAW KNOX LTD Box No 113 90/94 Brompton Road London SW3 Telephone Kensington 5151
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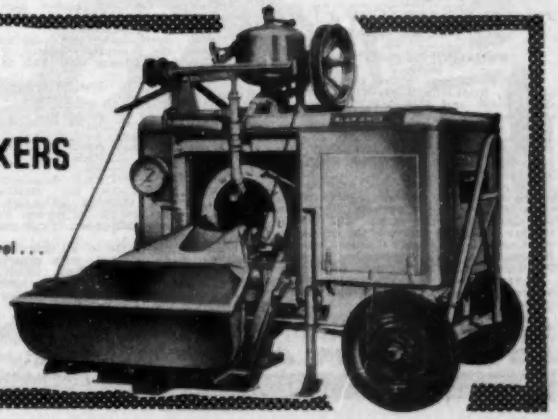

CITY OF CARDIFF.

PAINTING OF CLARENCE BRIDGE OVER RIVER TAFF.

FIXED PRICE TENDERS are invited for the Painting of Clarence Bridge over the River Taff, Cardiff.

Drawings, Specification and Conditions of Contract may be inspected at the City Surveyor's Office, City Hall, Cardiff.

Copies of the Specification and Conditions of Tender may be obtained on and after Monday, 19th May, 1959, from the City Surveyor, upon payment of a deposit of £2 2s. 0d. to the City Treasurer and Controller.

Tenders will not be considered unless enclosed in a plain sealed envelope endorsed, "Tender for Painting of Clarence Bridge" addressed to the undersigned at the City Hall, Cardiff, and sent by registered post so as to be received not later than FRIDAY, 29th MAY, 1959.

The envelope must not bear the name of, or any mark indicating the identity of the Tenderer.

The Council does not bind itself to accept the lowest or any Tender.

S. TAPPER-JONES,
Town Clerk.

29th April, 1959.

COUNTY BOROUGH OF MERTHYR TYDFIL.

GURNOS NEIGHBOURHOOD UNIT.

(1) CONTRACT FOR ADVANCE PREPARATION OF HOUSING SITE.
(2) CONTRACT FOR ERECTION OF 299 HOUSES.

Contractors are invited to submit TENDERS for either or both of the above contracts and should submit a written notification of their desire to Tender to the office of the Engineer and Surveyor, Town Hall, Merthyr Tydfil, by SATURDAY, 16th MAY, 1959. A deposit of 5 guineas must be enclosed in respect of each contract and cheques must be made payable to the County Borough of Merthyr Tydfil. The deposits in each case will be returned on receipt of a bona fide Tender which is not subsequently withdrawn.

Documents and particulars of contract will be forwarded to applicants within the week following the above date. Enquiries in connection with these contracts will be dealt with at the above address during normal office hours.

The Council do not bind themselves to accept the lowest or any Tender submitted.

T. S. EVANS,
Town Clerk.

Town Hall,
Merthyr Tydfil.
28th April, 1959.

BOROUGH OF DUNSTABLE.

ERECTION OF A SPORTS PAVILION.

TENDERS are invited for the ERECTION of a SPORTS PAVILION on the Bennett Memorial Recreation Ground, consisting of a single storey mono-pitched structure accommodating a Pavilion Room and Changing Rooms. Tenders must be submitted on a FIRM PRICE basis.

Applications for tender documents should be forwarded, together with a deposit of £2 2s. to the Borough Engineer, at this address, not later than 15th MAY, after which date the documents will be issued. The deposit will be returnable upon the receipt of a bona fide tender not subsequently withdrawn.

Tenders must be received by the Town Clerk not later than noon on the 12th JUNE, 1959.

The Council do not bind themselves to accept the lowest or any tender.

JACK SMITH,
Town Clerk.

Municipal Offices,
Dunstable,
Beds.
28th April, 1959.

CITY OF CARLISLE.

ENGINEERING SERVICES—HARRABY SECONDARY SCHOOL EXTENSION.

TENDERS are invited for the above and are returnable to the undersigned by THURSDAY, 21st MAY, 1959, in plain sealed envelopes endorsed "Engineering Services, Harraby Secondary School Extension."

Particulars from City Surveyor, 18 Fisher-street, Carlisle.

H. D. A. ROBERTSON,
Town Clerk.

CITY AND COUNTY OF NORWICH.

TO BUILDERS AND CONTRACTORS.

TENDERS are invited for the ERECTION OF SALE BUILDINGS on the New Cattle Market at Harford, Norwich.

Bills of Quantities, Forms of Tender, etc., may be obtained and the Stipulations of Contract inspected at the City Engineer's Office.

Tenders, on the forms supplied, enclosed in sealed envelopes, endorsed "Tender for Cattle Market" and addressed to the Chairman of the Markets Committee, must be sent to the City Engineer, City Hall, Norwich, by not later than 10 a.m. on MONDAY, 25th MAY, 1959.

The Corporation does not bind itself to accept the lowest or any tender.

COUNTY BOROUGH OF READING.

TO PLUMBING AND HEATING ENGINEERS.

FIRM PRICE TENDERS are invited for the removal of existing injector Hot Water Systems, and to supply and fix approximately 150 Gas Water Heaters at Anglefield and Whitley Estates. General Conditions may be inspected and tender form and specification obtained from the Housing Manager, Town Hall, Reading. Tenders to the Town Clerk, by Noon, 29th MAY, 1959. No tender considered unless enclosed in the endorsed envelope provided bearing no indication of tender. The Corporation do not bind themselves to accept any tender.

COUNTY BOROUGH OF READING.

TO BUILDING CONTRACTORS.

FIRM PRICE TENDERS are invited for the ERECTION OF A CLINIC at Grove-road, Emmer Green, Reading. General Conditions may be inspected and Bills of Quantities, etc., obtained from the Borough Architect, Town Hall, Reading, on application to him, accompanied by a cheque for £2 2s. 0d. made payable to the Reading Corporation which will be refunded on receipt of a bona fide tender not subsequently withdrawn. Tenders to Town Clerk, Town Hall, Reading, by noon on THURSDAY, 4th JUNE, 1959. No tender considered unless enclosed in the endorsed envelope provided, which shall bear no indication of the sender. The Corporation do not bind themselves to accept the lowest or any tender.

BRIERLEY HILL URBAN DISTRICT COUNCIL.

MARKET-STREET HOUSING SITE, SECTION 4.

SCHEMES
"QQ" 50, "RR" 42, "SS" 36.

Builders able to provide the necessary labour to carry out the ERECTION of one or more of the above three groups totalling 128 HOUSES are asked to signify their willingness to tender for the work to the Council's Architect and Housing Director, J. R. Moore, A.R.I.B.A., Civic Buildings, Brierley Hill (at whose offices the drawings and Conditions of Contract may be inspected) not later than WEDNESDAY, 13th MAY, 1959.

Bills of Quantities are in course of preparation and a deposit of Two Guineas made payable to the Brierley Hill Urban District Council will be required before the documents are issued.

Tenders are required to be submitted on a FIXED PRICE BASIS.

The Council does not bind itself
(a) to accept the lowest or any tender;
(b) to let the groups as separate contracts but may decide on one whole contract.

HERBERT HEX,
Clerk of the Council.

CASTLE DONINGTON RURAL DISTRICT COUNCIL.

TENDERS are invited from Contractors with plant and experience of similar work for the ERECTION of ONE BUILDING comprising 3 LOCK-UP SHOPS and 2 FLATS on Park-lane Estate, Castle Donington.

Contractor will be required to tender for this Contract on fixed prices for labour and materials and a Fidelity Bond will be required.

Bills of Quantities may be obtained from the Architects, McCarthy, Collings & Co., 187 Forest-road, Coalville, upon payment of a deposit of £2 2s. by cheque, to be made payable to Castle Donington R.D.C., and returnable on receipt of a bona fide tender.

Application to tender should be made not later than 12th MAY, 1959, and tenders should reach the undersigned in sealed envelopes endorsed "Tender, Shops and Flats," by 4 p.m., on MONDAY, 15th, JUNE 1959.

The Council do not undertake to accept the lowest or any tender.

E. HALLAM,
Clerk of the Council.

Council Offices,
Clapgun-street,
Castle Donington,
Derby.

BOROUGH OF RICHMOND (SURREY).

TO BUILDERS.

TENDERS are invited for ALTERATION WORKS and REDECORATION at 10 Kings-road, Richmond.

Drawings and specification may be obtained from the Borough Engineer and Surveyor, Hotham House, Heron Court, Richmond, upon receipt of a deposit of Two Guineas (returnable upon receipt of a bona fide tender not subsequently withdrawn).

Tenders, sealed in envelope provided, must be received not later than 1st JUNE, 1959.

The Council do not bind themselves to accept the lowest or any tender.

CLIFFORD HEYWORTH,
Town Clerk.

Town Hall,
Richmond,
Surrey.

LEATHERHEAD URBAN DISTRICT COUNCIL.

TENDERS are invited for EXTERNAL PAINTING AND REPAIRS OF 5 DWELLINGS, 2 BLOCKS OF FLATS AND 1 BLOCK OF OFFICES in Leatherhead District.

Specifications obtainable from Engineer and Surveyor, Red House, Leatherhead.

Tenders to the undersigned returnable noon 29th MAY, 1959.

J. EDE,
Clerk of the Council.

Council Offices,
Leatherhead.

CITY AND COUNTY OF BRISTOL.

TO BUILDING CONTRACTORS.

Education Committee invites TENDERS for ERECTION OF BUILDING FOR DEPARTMENT OF WOMEN'S SUBJECTS, College of Technology, Ashley Down, Bristol. Floor area about 23,000 square feet, mainly pre-cast concrete frame construction with pre-stressed suspended floors in three storeys.

Alternative Tenders Required for (a) fixed price, and (b) with fluctuations clause.

Apply to City Architect, Council House, Bristol, 1, by 15th MAY, enclosing two guineas' deposit, payable to Bristol Corporation, refundable on receipt of bona fide Tender.

Bills of Quantities will be available early in June, 1959.

COUNTY OF CORNWALL.

NOTICE IS HEREBY GIVEN of the intention to let separately the Sub-Contracts for STEELWORK and ALUMINIUM WINDOWS in connection with the new Infants' School at Trelisk, Truro.

Applications are invited for permission to submit a FIXED PRICE TENDER for these Sub-Contracts and should be made to the County Architect, County Hall, Truro, not later than TUESDAY, 19th MAY, 1959, from which a selected number of firms will be invited to tender. The closing date for receipt of tenders will be notified when the documents are despatched.

The lowest or any tender will not necessarily be accepted nor will the County Council pay to Contractors any fees or expenses incurred in the preparation of tenders.

E. T. VERGER,
Clerk of the County Council.

County Hall,
Truro.
30th April, 1959.

DURHAM COUNTY COUNCIL.

TENDERS invited:—
Consett New Technical College (a) HEATING AND D.H.W. INSTS.
Durham City New Branch Library (a) ERECTION.

Application for further details to County Architect, South-street, Durham, not later than 20th MAY, 1959.

J. K. HOPE,
Clerk of the County Council.

Shire Hall,
Durham.

LEEDS REGIONAL HOSPITAL BOARD.

TO BUILDING CONTRACTORS.

FIXED PRICE TENDERS are invited for the ERECTION of a NEW X-RAY DEPARTMENT at Halifax General Hospital, Halifax.

Applications for Form of Tender and Bills of Quantities accompanied by a deposit of £2 2s. 0d. (which will be refunded on receipt of a bona fide Tender and other contract documents) must be made to the Architect to the Board at the undermentioned address not later than 12 NOON on 19th MAY, 1959. Cheques should be made payable to the "Leeds Regional Hospital Board" and crossed.

A copy of the drawings, Conditions of Tender and Conditions of Contract may be inspected at the office of the Architect to the Board (or at the office of Messrs. Richard Pickles and Partner, Chartered Architects, 1 Harrison-road, Halifax).

Three weeks will be allowed for Tendering.

The Board does not bind itself to accept the lowest or any Tender.

WM. A. SHEE,
Secretary to the Board.

Park-parade,
Harrogate,
Yorks.

CRAWLEY URBAN DISTRICT COUNCIL.

RE-TILING OF EIGHT HOUSES, IFIELD-ROAD, CRAWLEY.

TENDERS are invited for RE-TILING EIGHT HOUSES in Ifield-road, Crawley. Specification and Form of Tender may be obtained from the Engineer and Surveyor, Goffs Park House, Horsham-road, Crawley.

Completed Tenders, in plain sealed envelopes endorsed "Tender for re-tiling roofs, Ifield-road, Crawley," must be delivered to the undersigned by 12 NOON on 25th MAY, 1959.

The Council does not bind itself to accept the lowest or any Tender.

R. W. J. TRIDGELL,
Clerk of the Council.

Robinson House,
Robinson-road,
Crawley,
Sussex.

BANSTEAD URBAN DISTRICT COUNCIL.

SIXTEEN THREE-BEDROOM TRADITIONAL TYPE HOUSES.

FIXED PRICE TENDERS are invited for the ERECTION OF ONE BLOCK OF FOUR AND SIX SEMI-DETACHED DWELLINGS off Partridge Mead—Nork Housing Estate.

Bills of Quantities may be obtained from the Engineer and Surveyor (deposit £2 2s. 0d.).

Plans may be inspected in the Engineer and Surveyor's Department during office hours.

Tenders must be delivered to the undersigned by MONDAY, 1st JUNE, 1959, sealed in the envelope provided.

The Council do not bind themselves to accept the lowest or any Tender.

F. L. SHAW,
Clerk of the Council.

The Council House,
Brighton-road,
Banstead,
Surrey.
May, 1959.

BOROUGH OF WOOD GREEN.

WHITE HART LANE RECREATION GROUND PAVILION.

The Council invite TENDERS for the EXECUTION OF ALTERATIONS AND EXTENSIONS to the Pavilion at White Hart Lane Recreation Ground, Wood Green, N.22.

Form of Tender, Specification and Drawing may be obtained from the Borough Engineer, Town Hall, Wood Green, N.22, upon payment of a deposit of £1 1s. 0d., which will be refunded on receipt of a bona fide tender, provided it is not withdrawn.

The Conditions of Contract are the Standard R.I.B.A. conditions and may be inspected at the office of the Borough Engineer.

Tenders, in plain sealed envelopes, endorsed "Tender for White Hart Lane Recreation Ground Pavilion," but bearing no name or mark indicating the sender, must be returned to the undersigned not later than noon on MONDAY, 1st JUNE, 1959.

A. BARNETT,
Town Clerk.

Town Hall,
Wood Green, N.22.
4th May, 1959.

METROPOLITAN BOROUGH OF WANDSWORTH

FLATS—GARRATT-LANE.

Contractors wishing to TENDER for ERECTION OF 5-STOREY BLOCK OF 30 FLATS should submit names to me by WEDNESDAY, 27th MAY, 1959, giving details of experience, plant and technical and supervisory staff available together with names of two technical and two financial referees. Bills of Quantities will be issued to selected contractors in due course.

Drawings may be examined at office of architect, Mr. C. Lovett Gill, F.R.I.B.A., 41, Russell-square, W.C.1.

J. NOEL MARTIN,
Town Clerk.

Municipal Buildings,
Wandsworth, S.W.18.

BOROUGH OF MAIDENHEAD.

CONVERSION OF 163 GRENFELL-ROAD, MAIDENHEAD.

The Council invites TENDERS for the above works involving the DEMOLITION OF THREE SMALL BUILDINGS, THE INTERNAL ALTERATION, REPAIR and DECORATION of the MAIN HOUSE and OUTBUILDINGS to form, when complete, accommodation for 10 elderly people.

Form of Tender, Specification and Drawings may be obtained from the Office of the Borough Engineer and Surveyor, 14 Craufurd-rise, Maidenhead, on payment of a deposit of £1 1s. 0d. which will be refunded upon receipt of a bona fide Tender and the return of all documents.

Tenders on the prescribed form and in a plain envelope endorsed "163 Grenfell-road" and bearing no mark or indication of the sender must be delivered to me not later than NOON on FRIDAY, 5th JUNE, 1959.

The Council does not bind itself to accept the lowest or any other Tender.

STANLEY PLATT,
Town Clerk.

Guildhall,
Maidenhead,
Berks.
May, 1959.

COUNTY BOROUGH OF BLACKBURN.

EXTENSION TO NEW TECHNICAL COLLEGE.

TENDERS will be invited from selected contractors for the ERECTION of the two buildings forming this extension (value approximately £250,000. Bills of quantities and typical working drawings available from 19th May next.

Contractors wishing to be considered for inclusion on the list of Tenderers should apply by 15th MAY, 1959 in writing to Messrs. Willink & Dod, F/A.R.I.B.A., Cunard Building, Liverpool, listing similar contracts completed. Three guineas' deposit returnable on receipt of a bona fide Tender.

FRANK SQUIRES,
Town Clerk.

* **A Tola Sideboard** from the Link range made by Lebus .. .. Retail price £30.4.6.

The pull-down flap is covered in heat and stain resistant black Perstorp.

PERSTORP DISTRIBUTORS: **London & Home Counties** C. F. Anderson & Son Ltd. *Harris Wharf, Graham Street, London, N.1.* Geo. E. Gray Ltd. *Joinant House, Eastern Avenue, Ilford, Essex.* Heaton Tabb & Co. Ltd. *Cobbold Road, N.W.10.* **West Country & Wales** Channel Plastics Ltd *Flowers Hill, Brislington, Bristol 4.* **Midlands & Area** Rudders & Paynes Ltd. *Chester Street, Aston, Birmingham 6.* **N. E. England** A. J. Wares Ltd. *King Street, South Shields.* **N. W. England** Heaton Tabb & Co. Ltd. *55 Bold Street, Liverpool 1.* **Scotland** Nevill Long & Co. (Boards) Ltd. *Rivaldsgreen, Linlithgow, West Lothian.* **N. Ireland** John McNeill Ltd. *109 Corporation Street, Belfast.*

Perstorp is the original plastic laminate and yet the most up-to-date. In a world where the word 'contemporary' is bandied about too glibly Perstorp comes as a refreshing surprise to those furniture manufacturers who know what's what when it comes to colour and finish.

Swedish Perstorp colours and finishes are balanced, assured, clean . . . not glossy yet not matt. The panels are suitable for horizontal and vertical surfaces . . . they are simple to cut, shape and apply, and, once in place, are there for ever; immune to ill-treatment, heat and grease. So, for furniture, specify Perstorp . . . the least expensive of the better plastic laminates.

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THE *ORIGINAL* PLASTIC LAMINATE

Now available in a range of *House and Garden* colours.

THERMALITE – The first name in loadbearing insulation **is now readily available**

Despite the heavy current demand for this top quality insulating building block, the greatly increased output of the new Thermalite production unit at Birmingham is ensuring rapid delivery.

SOME FACTS ABOUT THERMALITE

Aerated concrete is a material originally developed in Scandinavia where it has been widely used for many years.

Since the development of Thermalite (the British counterpart) in this country eight years ago it has achieved a first class reputation and has been repeatedly specified for domestic and industrial buildings of all kinds. Thermalite is loadbearing, non-combustible, stable yet light and easily worked. It has an extremely low "U" value.

Full technical details are available here

You are invited to write for a copy.

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The first name in loadbearing insulation

THERMALITE YTONG LTD.,
Hams Hall, Lea Marston,
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Telephone: Coleshill 2081 A LAING COMPANY

Early delivery from Midland and Southern factories

LEEDS REGIONAL HOSPITAL BOARD.

TO BUILDING CONTRACTORS.

FIXED PRICE TENDERS are invited for carrying out EXTENSIONS TO THE PATHOLOGICAL LABORATORY at the Hospital, Middleton-in-Wharfedale.

Applications for Form of Tender and Bills of Quantities accompanied by a deposit of £2 2s. 0d. (which will be refunded on receipt of a bona fide Tender and other contract documents) must be made to the Architect to the Board at the undermentioned address not later than 12 NOON on 19th MAY, 1959. Cheques should be made payable to the "Leeds Regional Hospital Board" and crossed.

A copy of the drawings, Conditions of Tender and Conditions of Contract may be inspected at the office of the Architect to the Board (or at the office of Messrs. Mortimer Partners, Chartered Architects, Ainderby Hall, Northallerton).

Three weeks will be allowed for Tendering.

The Board does not bind itself to accept the lowest or any Tender.

WM. A. SHEE,
Secretary to the Board.

Park-parade,
Harrogate,
Yorks.

COUNTY COUNCIL OF THE WEST RIDING OF YORKSHIRE.

TENDERS are invited for ADAPTATION WORKS AT HOOBER HOUSE ANNEXE TO LADY MABEL COLLEGE OF PHYSICAL EDUCATION, Wentworth Woodhouse, near Rotherham.

Applications to tender must be addressed to the County Architect, Bishopgarth, Westfield-road, Wakefield and received not later than the 15th MAY, 1959; the relevant documents will be despatched that day.

The Contract will be under the provisions of the R.I.B.A. conditions and Form of Agreement where Bills of Quantities do not form part of the contract.

Sealed tenders must be addressed to me, the undersigned, and received at Room 3, County Hall, Wakefield, not later than 12 noon on the 1st JUNE, 1959.

BERNARD KENYON,
Clerk of the County Council.

CITY OF CARLISLE.

ERECTION OF 100 DWELLINGS—MORTON ESTATE.

TENDERS are invited for the above.

Bills of Quantities will be available from the City Surveyor, 18 Fisher-street, Carlisle.

Tenders to be returned by 25th MAY, 1959.

H. D. A. ROBERTSON,
Town Clerk.

NEWTON - LE - WILLOWS URBAN DISTRICT COUNCIL.

FIXED PRICE TENDERS are invited for the ERECTION OF 42 BUNGALOWS on the Heald Farm Estate.

Specifications and Bills of Quantities will be available after 13th May, 1959, and may be obtained from W. S. Roscoe, M.I.Mun.E., Engineer and Surveyor, Market Chambers, Market-street, Newton-le-Willows, upon payment of a deposit of £2 2s. 0d., payable to Newton-le-Willows U.D.C.

The deposit will be returned on receipt of a bona fide Tender (not subsequently withdrawn), and the return of all documents supplied.

Plans may be inspected at the office of the Engineer and Surveyor.

Tenders in plain sealed envelopes endorsed "Tender—42 Bungalows" to be received by the undersigned not later than NOON on MONDAY, 1st JUNE, 1959.

The Council do not bind themselves to accept the lowest or any Tender.

J. ROBERTS,
Clerk of the Council.

Town Hall,
Market-street,
Newton-le-Willows,
Lancashire.

BOROUGH OF SWINDON.

PARK NORTH JUNIOR SCHOOL.

TENDERS are to be invited for the ERECTION of the above school, comprising single-storey buildings and two-storey classroom block of traditional construction.

Contractors wishing to be considered for inclusion in the list of Tenderers should notify the Borough Architect, Civic Offices, Swindon, not later than 15th MAY, 1959, giving particulars of similar works undertaken.

D. MURRAY JOHN,
Town Clerk.

Civic Offices,
Swindon.

COUNTY BOROUGH OF CROYDON.

TENDERS are invited for REMOVAL OF SLOPING FLOORS at the Winterbourne School, Winterbourne-road, Croydon.

Apply for Specification, etc., to the Chief Education Officer, Katharine-street, Croydon, with a deposit of £1 returnable on receipt of a bona fide tender.

Tenders in plain sealed envelopes, endorsed "Removal of Sloping Floors—Winterbourne" must be delivered to me by noon on TUESDAY, the 26th MAY, 1959.

E. TABERNER,
Town Clerk.

Town Hall,
Croydon.

CITY OF WORCESTER.

ERECTION OF COLLEGE OF FURTHER EDUCATION.

Registered Building Contractors are invited to submit their names to be considered for inclusion in a list of contractors to be invited to tender for the construction of the first instalment of a new College of Further Education in Deansway, Worcester. Further details giving an outline of the scheme and forms of application for permission to tender may be obtained from the Architects, Messrs. Richard Sheppard, Robson and Partners, 5 Southampton-place, London, W.C.1. Bills of Quantities are expected to be ready EARLY IN JUNE, 1959.

Contractors wishing to be considered should post the form of application to the Director of Education, 13 High-street, Worcester, to arrive not later than 20th MAY, 1959.

BERTRAM WEBSTER,
Town Clerk.

Guildhall,
Worcester.

PUBLIC APPOINTMENTS

NORTH WEST METROPOLITAN REGIONAL HOSPITAL BOARD.

ASSISTANT ARCHITECT. Good experience of design and construction necessary preferably in hospital work. Applicants must be Associate Members of the R.I.B.A. Salary scale: £730 x £25(2) x £30(2) x £35 (5) x £40(1)-£1,055 plus £20-£50 London Weighting. Ref. 724.

ARCHITECTURAL ASSISTANTS also required. Applicants must have Inter. R.I.B.A. Salary scale: £545 (age 21) x £20(3) x £25(4) x £30(2)-£765 plus £20-£30 London Weighting. Ref. 725.

Commencing salary above minimum may be paid according to relevant practical experience appropriate to the posts. Whitley Council conditions, superannuable.

Apply, stating age, qualifications (with dates) and experience together with the names and addresses of two referees, to Secretary, North West Metropolitan Regional Hospital Board, 40 Eastbourne Terrace, London, W.2, by 18th MAY, 1959, quoting appropriate reference number.

LEEDS REGIONAL HOSPITAL BOARD.

PROPOSED NEW GENERAL HOSPITAL AT HUDDERSFIELD.

CLERK OF WORKS (BUILDING AND STRUCTURAL).

Applications are invited for the appointment of a TEMPORARY CLERK OF WORKS (Building and Structural), in connection with the construction of a new (600-bed approximate contract value £3,500,000) General Hospital at Huddersfield. Salary £1,000 per annum.

This project will be carried out in consecutive phases under the direction of the Regional Architect, P. D. Nash, A.R.I.B.A., and Messrs. Pite, Son and Fairweather. Preliminary contracts for the formation of the perimeter road and services ring mains and for the work of bulk excavation have been completed. The main building contract is scheduled to start in July/August, 1959, and to continue thereafter for a period of approximately six years.

Applicants must possess a thorough knowledge of all aspects of the building trade and must have had extensive experience as Clerks of Works on multi-storey reinforced concrete framed buildings. Membership of the Institute of Clerks of Works or the possession of the Clerk of Works Diploma of the Association of Building Technicians an advantage.

Applications, stating age, qualifications, previous experience, together with the names of two Architects to whom reference may be made, to the Secretary, Park Parade, Harrogate, not later than 16th MAY, 1959.

NEWCASTLE REGIONAL HOSPITAL BOARD.

REGIONAL ARCHITECT'S DEPARTMENT.

PERMANENT STAFF CLERK OF WORKS.

Applications are invited for the appointment of a PERMANENT CLERK OF WORKS (BUILDING) on the Headquarters staff of the Regional Architect in Newcastle to supervise the erection of buildings at hospitals in Northumberland and the northern portion of County Durham, under the direction of the Regional Architect and private architects employed by the Board. The duties of the post involve an appreciable amount of travelling and the successful applicant will be required to drive his own car for which he will receive a travelling allowance on a mileage basis.

Applicants for the post must possess a thorough knowledge of the building trade and have had previous experience as a Clerk of Works. They should also have had experience of specialised engineering services. Membership of the Institute of Clerks of Works or possession of the Clerk of Works Diploma of the Association of Building Technicians would be an advantage.

The salary scale will be £660 x £20 (1) x £25 (4)—£780 and the conditions of service will be those set out in Whitley Circulars P.T.B. 66 and 100.

Applications, stating age, qualifications, previous experience and date when available, together with the names of three architects to whom reference may be made, should be enclosed in an envelope endorsed "Clerk of Works" and must be forwarded to the Secretary to the Board, Benfield-road, Newcastle upon Tyne, 6, not later than 14th MAY, 1959.

BOROUGH OF LUTON.

Applications invited for temporary QUANTITY SURVEYING ASSISTANT, General Division (£240) to Special Scale (£750 x £40-£1,030). Appointment will be for a period of approximately two years in first instance and commencing salary will be fixed in accordance with experience and qualifications. Application form from Borough Architect, Town Hall, Luton, returnable by 16th MAY, 1959.

TEMPORARY ASSISTANT MAINTENANCE SURVEYORS

required by Ministry of Works in Glasgow, Leeds or Manchester. National salary scale £805 (at age 25)-£1,260 p.a. Starting pay up to £1,095 p.a. (at age 34) according to age. Five-day week, twenty-two days' annual leave. Prospects of promotion and eventual opportunities of permanent and pensionable posts. Applicants must be Registered Architects or Corporate Members of the R.I.C.S. (Building Section). Apply stating age, qualifications and full details of experience to Chief Maintenance Surveyor (Recruitment), M.O.W., Stanley House, Marsham-street, London, S.W.1.

THE UNIVERSITY OF SHEFFIELD.

Applications are invited from suitably qualified persons for the position of ADMINISTRATIVE ASSISTANT in the Planning Office of the Bursar's Department. Duties mainly to assist in administrative work in connection with planning progress and control of new building projects. Applicants need not possess technical qualifications but should be familiar with building work, contract procedure and costing. Experience of Committee work desirable. Salary in the scale £650 x £50—£850, with Children's Allowances and F.S.S.U. benefits. Further information and forms of application may be obtained from the Bursar, The University, Western Bank, Sheffield 10. Applications should be sent within 10 DAYS from the date of this advertisement.

BOROUGH OF HORNSEY.

TWO TEMPORARY ARCHITECTURAL ASSISTANTS Required for the Architects' Section of the Borough Engineer and Surveyor's Department. Grades A.P.T. I and II. Salaries (new scales) £610-£765 and £765-£880, plus London Weighting. Commencing salary according to experience.

Application form from Borough Engineer and Surveyor, Town Hall, Crouch End, London, N.8, to be returned by WEDNESDAY, 20th MAY, 1959.

H. BEDALE,
Town Clerk.

LONDON COUNTY COUNCIL.

Vacancies for ENGINEERING ASSISTANTS (up to £860) and ENGINEERS, Grade III (up to £1,090) (scales at present under review) in:—

(a) STRUCTURAL ENGINEERING DIVISION—Extensive programme includes multi-storey flats, schools, offices, warehouses and other buildings; and,

(b) DISTRICT SURVEYORS' SERVICE—In districts coinciding with one exception, with Metropolitan Borough Boundaries. Work mainly outside involving negotiations with architects, engineers and surveyors and supervision of works in progress. Good prospects in both of these aspects of the Council's work.

Application form and particulars from Hubert Bennett, F.R.I.B.A., Architect to Council, AR/EK/45/59, County Hall, S.E.1. (925.)

BRACKNELL DEVELOPMENT CORPORATION.

Applications are invited for the post of QUANTITY SURVEYOR. Salary range £934-£1,146 (under review). Preference will be given to Corporate members of the R.I.C.S. Duties embrace Housing, Town Centre and Industrial buildings. Superannuation schemes, medical examination. Housing available. Apply by 25th MAY, 1959, giving age, education and qualifications, experience and appointments held (with dates and salaries) and names of two referees, to General Manager (Q.S.), Bracknell Development Corporation, Farley Hall, Bracknell, Berks.

REX Clearline MIXERS

GIVE EVERYTHING . . .

Built-in drag loader shovel . . . accurate hydraulic weigher . . . precise water control . . . made from high strength alloy steel . . . complete enclosure of vital parts . . . easy accessibility . . . long life drum and blades . . . high speed operation . . . low maintenance costs . . . minimum labour requirements.

BLAW KNOX LTD Box No 113 90/94 Brompton Road London SW3 Telephone Kensington 5151

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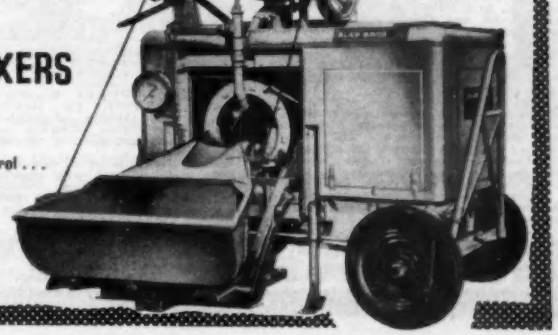

WOKING U.D.C.

ARCHITECTURAL ASSISTANT.
A.P.T. II (£765-£880).

Applicants for this appointment in Engineer and Surveyor's Department must be Students R.I.B.A. with good general experience. Appointment offers competent assistant experienced in preparation working and detail drawings, excellent opportunity engagement on variety of architectural projects.

HOUSING ACCOMMODATION if required. Casual user car allowance.

Application forms from Mr. H. P. Tame, A.M.I.C.E., M.T.P.I., Reg. Arch., Engineer and Surveyor. Closing date 25th MAY, 1959.

BOROUGH OF SOLIHULL.

APPOINTMENT OF ARCHITECTS.

Applications are invited for the following appointments:—

(a) ASSISTANT ARCHITECT, Grade A.P.T. IV: £1,065-£1,220 p.a.

(b) JUNIOR ARCHITECTURAL ASSISTANT, Grade A.P.T. II: £765-£880 p.a.

(c) JUNIOR ARCHITECTURAL ASSISTANT, Grade A.P.T. I: £610-£765 p.a.

Applicants for post (a) must be fully qualified, competent designers and only persons with initiative and drive need apply.

Applicants for post (b) should have passed the Intermediate Examination of the Royal Institute of British Architects, whilst

Applicants for post (c) should be studying for that examination.

Where applicable housing accommodation will be made available as soon as possible and half removal expenses paid.

Applications, stating age, qualifications and experience, and giving the names of two referees, should be sent to the Borough Engineer and Surveyor, 90 Station-road, Solihull, not later than 22nd MAY, 1959.

W. MAURICE MELL,
Town Clerk.

The Council House,
Solihull.

ARCHITECTURAL

ASSISTANT Required by HAYES & HARLINGTON U.D.C. Salary within Grade A.P.T. II, i.e. £765-£880 per annum, plus appropriate London "Weighting," 21-25 years £20 per annum, 26 years and over £30 per annum. Candidates must have had a good general architectural experience and preference will be given to applicants who have passed the R.I.B.A. Intermediate Examination. The Council is unable to assist with the provision of housing accommodation. Five-day week. Further particulars and conditions of service and form of application obtainable from the undersigned, which when completed must be returned by 1st JUNE, 1959.

GEORGE HOOPER,
Clerk and Solicitor.

Town Hall,
Hayes,
Middlesex.

BOROUGH OF LUTON.

HOUSING DEPARTMENT.

TECHNICAL ASSISTANT.

Applications are invited for this appointment. Salary A.P.T. I-II (£610-£880). Details obtainable from Director of Housing, Town Hall, Luton, to whom applications must be made by 23rd MAY, 1959.

BLACKPOOL.

Vacancies for:—

GROUP ASSISTANT ARCHITECTS, A.P.T. V.

ASSISTANT ARCHITECTS, Special Scale.

QUANTITY SURVEYING ASSISTANT, A.P.T. II.

Forms: Arthur Hamilton, B.Sc., A.R.I.B.A., Borough Surveyor, P.O. Box 17, Municipal Buildings, Blackpool. Closing date 27th MAY.

THE SOUTH WALES ELECTRICITY BOARD.

BUILDING SUPERVISOR.

Applications are invited for the position of BUILDING SUPERVISOR in the Cardiff and East Central Area of the Board.

The salary for the position will be in accordance with Schedule "D" Grade 3 (£1,055-£1,155 p.a.) of the National Joint Board Agreement for the Electricity Supply Industry.

The successful applicant will be required to prepare drawings and specifications for minor building works; to control the Building Construction and Maintenance Units and supervise the execution, by Contract or Direct Labour, of the Building and Civil Engineering work in the Cardiff and East Central Area.

Preference will be given to candidates holding appropriate professional qualifications.

Applications stating age, present position, present salary, qualifications and experience should be addressed to C. L. Townsend, Assoc.I.E.E., Manager of Cardiff and East Central Area, 445-447 Cowbridge-road, Cardiff, so as to reach him not later than SATURDAY, 23rd MAY, 1959.

CLACTON URBAN DISTRICT COUNCIL.

BUILDING AND PLANNING ASSISTANT
Grade A.P.T.I (£610-£765).

Applications are invited for the above appointment. Preference will be given to applicants experienced in the operation of Building Byelaws, Planning procedure and inspection of buildings in progress.

Forms of application may be obtained from the Engineer and Surveyor, Town Hall, Clacton-on-Sea and must be delivered, duly completed, in a plain sealed envelope endorsed "Building and Planning Assistant" to the undersigned by not later than first post on TUESDAY, 26th MAY, 1959.

CHARLES B. HEARN,
Clerk of the Council.

Town Hall,
Clacton-on-Sea.

CHURCH COMMISSIONERS.

Applications are invited for the post of ARCHITECTURAL ASSISTANT, based in London, for Drawing Office duties—new works and maintenance of domestic buildings. Candidates should be at Inter. R.I.B.A. standard. Salary, according to experience, within the scale of £820 x £30-£1,075.

Apply in writing to the Establishment Officer, Church Commissioners, 1 Millbank, Westminster, S.W.1, not later than 19th MAY, 1959.

CUMBERNAULD DEVELOPMENT CORPORATION.

QUANTITY SURVEYING STAFF.

Vacancies exist for the following posts in the Department of the Chief Architect and Planning Officer:—

ASSISTANT QUANTITY SURVEYORS, Grade B (Ref. Q.S.3). Salary scale £1,034-£1,390; to take charge of a project from pre-planning stage to final account, working in close co-operation with Group Architect. A.R.I.C.S. required.

QUANTITY SURVEYING ASSISTANTS, Grade C (Ref. Q.S.4). Salary scale £631-£939. Intermediate A.R.I.C.S. preferred or otherwise must be suitably experienced.

APPRENTICE QUANTITY SURVEYORS (Ref. Q.S.5). Salary scale £191-£531; commencing salary according to age. Must have passed five subjects at Scottish Leaving Certificate Lower Grade, at least three at one time, including English and Mathematics and a pass in Arithmetic. These posts offer an excellent opportunity for young men of or approaching school leaving age to train with a view to qualifying as Chartered Quantity Surveyors. Arrangements for attending part-day and evening school courses will be made. The Chief Quantity Surveyor is a member of the Royal Institution of Chartered Surveyors.

Salary scales are those of the Whitley Council for New Towns Staff and appointments may be made above the minima of the scales. Assistance with housing may be given. Five-day week. Local Government Superannuation (subject to medical examination).

Write, quoting reference number of post to the General Manager, Cumbernauld Development Corporation, Cumbernauld House, Cumbernauld, by Glasgow, for application form, to be returned by 18th MAY, 1959.

COUNTY BOROUGH OF CROYDON.

ARCHITECTURAL ASSISTANTS.

Applications are invited for appointments for the Council's general architectural work, which includes a variety of interesting projects.

Commencing salary according to qualifications and experience within the following grades:

A.P.T. I, £630-£795 p.a.

A.P.T. II, £785-£910 p.a., rising when fully qualified to about £1,100 p.a.

Applicants for the higher appointments should have passed the R.I.B.A. Intermediate Examination.

Further particulars and application form from the Borough Engineer, Town Hall, Croydon. Closing date 25th MAY, 1959.

E. TABERNER,
Town Clerk.

CITY OF OXFORD.

CITY ARCHITECT AND PLANNING OFFICER'S DEPARTMENT.

CLERKS OF WORKS Required to supervise ERECTION OF HOUSES, SCHOOLS and OTHER BUILDINGS. Salary £815 per annum, at present under review. Pensionable post, good conditions of service.

Practical knowledge of all branches of building trade essential, with experience of setting out, taking levels, measuring up, keeping records and making reports.

Housing accommodation provided if necessary.

Apply, stating age, qualifications and experience, giving names of two referees, to City Architect and Planning Officer, Town Hall, Oxford, by 16th MAY.

HARRY PLOWMAN,
Town Clerk.

Town Hall,
Oxford.

CITY OF NOTTINGHAM.

CITY ENGINEER'S DEPARTMENT.

ASSISTANT QUANTITY SURVEYORS/MEASURING SURVEYOR.

Applications are invited for the following appointments in the City Engineer's Department:—

(a) ASSISTANT QUANTITY SURVEYOR, Grade A.P.T. IV, i.e. £1,025 per annum rising by annual increments to £1,175 per annum.

Applicants should be Associates of the Royal Institute of Chartered Surveyors, or have extensive professional experience. The person appointed will be required to be responsible for all the quantity surveying work on individual major contracts.

(b) QUANTITY SURVEYING ASSISTANT or MEASURING SURVEYOR, Grade A.P.T. I, i.e. £575 rising by annual increments to £725 per annum.

Applicants should have had experience of measuring, estimating, and/or builders' book-keeping, and accounts in the building industry. Opportunities and facilities will be given to a suitable man to widen his experience and qualify as a Quantity Surveyor.

Commencing salary in each case will depend on qualifications and experience.

Assistance with housing may be given.

A National Salary Award has recently been announced which would increase the maximum of post (a) to £1,220 and post (b) to £765 per annum. This Award has not yet been considered by the Corporation.

Applications are to be made on forms to be obtained from R. M. Finch, Esq., O.B.E., M.I.C.E., City Engineer and Surveyor, Guildhall, and should be returned to him not later than 29th MAY, 1959.

CITY OF LEICESTER.

CITY ARCHITECT'S DEPARTMENT.

QUALIFIED ARCHITECTS are Required as follows:—

ASSISTANT ARCHITECT, Education Section, Grade A.P.T. IV, £1,065-£1,220.

ASSISTANT ARCHITECTS, Education Section, Special Grade, £750-£1,030 (subject to amendment).

ASSISTANT ARCHITECT, Housing Section, Special Grade, £750-£1,030 (subject to amendment).

Education architects will work within a group system on interesting new schemes including C.L.A.S.P. projects.

The work of the housing architects includes the redevelopment of central areas.

Previous Local Government experience not essential. Housing accommodation, at an economic rent, will be provided, if necessary. National conditions of service apply.

Applications, stating post applied for, together with names of two referees should reach the undersigned not later than WEDNESDAY, 20th MAY, 1959.

J. H. LLOYD OWEN,
City Architect.

10 Loseby-lane,
Leicester.

CITY OF LIVERPOOL.

ARCHITECTURAL AND HOUSING DEPARTMENT.

APPOINTMENT OF ARCHITECTURAL ASSISTANTS.

Applications are invited for the following appointments:—

(a) SENIOR ASSISTANT (Architectural), A.P.T. V (£1,220-£1,375 p.a.).

(b) ASSISTANT (Architectural) A.P.T. IV (£1,065-£1,220 p.a.).

Applicants for (a) should have had experience of Slum Clearance and Redevelopment work, be an A.R.I.B.A. and preferably also A.M.T.P.I. (b) Should be an A.R.I.B.A. and have had experience in a Housing Section.

Application forms, returnable by 31st MAY, 1959, obtainable from the City Architect and Director of Housing, Blackburn Chambers, Dale-street, Liverpool, 2.

The appointments are superannuable and subject to the Standing Orders of the City Council. Canvassing disqualifies.

THOMAS ALKER,
Town Clerk.

Municipal Buildings,
April, 1959. (J5640.)

UNIVERSITY OF EDINBURGH.

DEPARTMENT OF ARCHITECTURE.

Applications are invited for the post of LECTURER in the Department of Architecture. Salary Scale £900 x £50, to £1,100; Bar: £1,150 x £50 to £1,350 x £75 to £1,650 per annum, with placement according to qualifications and experience, and with superannuation benefit and family allowance where applicable. Candidates should have qualifications in building construction and structures and have experience of building work. The successful candidate will be expected to take up duty on 1st October, 1959.

Further particulars may be obtained from the Secretary to the University, University of Edinburgh, Old College, South Bridge, Edinburgh, with whom applications, giving the names of two referees, should be lodged not later than 30th MAY, 1959.

CHARLES H. STEWART,
Secretary to the University.

April, 1959.

MIDDLESEX COUNTY COUNCIL.

Required for Quantity Surveying Division of County Architect's Dept.:—

(a) QUANTITY SURVEYOR, J.N.C. "C" £1,385-£1,620, as senior surveyor in Bills of Quantities Section. R.I.C.S. quals. plus at least 10 years' subsequent experience essential.

(b) QUANTITY SURVEYOR, A.P.T. V, £1,250-£1,405, with extensive exper. of preparation of both detailed and approximate estimates for building work.

(c) QUANTITY SURVEYOR, A.P.T. IV, £1,095-£1,250, to deal with elemental analysis of estimates and preparation of costings for current building techniques.

(d) BUILDING SURVEYOR, A.P.T. I, £640-£795, for preparation of reports and specifications, etc., in maintenance section.

Posts (b)-(d). Appropriate R.I.C.S. or other equal qual. reqd. Established five-day week.

(e) BUILDING SURVEYOR (supernumerary for two years) for preparation of drawings and specifications for minor alterations. Salary up to £910. All posts: Prescribed conditions.

Application forms from County Architect, 1 Queen Anne's Gate Buildings, Dartmouth-street, S.W.1 (s.a.e.) returnable by 11th JUNE.

(Quote Z.562 B.) Canvassing disqualifies.

EDINBURGH CORPORATION.

CITY ARCHITECT'S DEPARTMENT.

Quantity Surveying Section.

A. ASSISTANTS, £760 x £35—£1,040. Qualifications: Associateship of R.I.C.S. and experience of all aspects of quantity surveying practice.

B. TEMPORARY ASSISTANT, £760 x £35—£1,040.

C. TECHNICAL ASSISTANTS CS4-8 (£380-£725). Experience of measuring and general knowledge of work in a quantity surveyor's office.

D. CLERICAL ASSISTANT, with good general experience preferably in builder's office to be trained for Contract Records, Cost Analysis, etc. CS4-8 (£380-£725).

For the above vacancies placing will be according to qualifications and experience.

E. APPRENTICES, R.I.C.S. scale £72, rising to £252 over five years.

Engineering Section.

F. ASSISTANT (Heating and Ventilating), £750 x £35—£1,040. Qualifications A.M.I.H.V.E. and several years' experience in the design of installations and preparation of drawings and specifications.

Design Section.

G. ASSISTANT ARCHITECTS, £760-£1,040. Placing according to Qualifications and experience.

Applications, marked "Confidential" giving full details and the names of two referees to the City Architect, City Chambers, Edinburgh, 1, not later than 16th MAY, 1959.

LOUGHBOROUGH COLLEGE OF TECHNOLOGY.

Work is shortly to start on the construction of new TEACHING BUILDINGS to the value of £850,000 0s. 0d. and applications are invited for the post of CLERK OF WORKS.

Apply in the first instance, giving full details of previous experience, references and salary required, to Richard Sheppard, Robson and Partners, 5 Southampton-place, London, W.C.1, not later than 30th MAY.

FLINTSHIRE COUNTY COUNCIL.

Applications are invited for a QUANTITY SURVEYOR (SENIOR). Candidates should be associates of R.I.C.S. (Quantities Sub-Section) with four years' practical experience as Quantity Surveyor since passing final examination. Salary A.P.T. V, £1,220-£1,375 per annum. Form of application from Clerk of County Council, County Buildings (P.O. Box No. 1), Mold. Closing date: 19th MAY, 1959.

LEEDS REGIONAL HOSPITAL BOARD.

Applications are invited for appointment of CLERK OF WORKS (temporary) at a salary of £13 10s. 0d. per week, to supervise building contracts in the Region.

Applications giving full details of previous experience and date when available to commence duties, together with the names and addresses of three referees, to the Secretary, Park-parade, Harrogate, by 23rd MAY, 1959.

METROPOLITAN POLICE

Receiver's Office, requires

(1) ARCHITECTURAL AND SANITARY ENGINEERING DRAUGHTSMEN/WOMEN. Scale £570 (age 21)-£900

(2) TECHNICAL ASSISTANT. Scale £720 (age 26)-£900

in connection with Police Housing and Non-Housing Buildings programme.

Starting pay according to age. Applicants to have Ordinary National Certificate as a minimum qualification or to be of Inter. R.I.B.A. standard. 5-day, 42-hour week, paid leave, canteen facilities.

Apply giving qualifications, experience, age and nationality to Room 578, Receiver's Office, New Scotland Yard, S.W.1.

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TARPLANER

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(Dept. 2), Ixworth House, Ixworth Place, London, S.W.3 KEN 3491 (7 lines)

EVERYTHING A JACK PLANE CAN DO – TEN TIMES FASTER

UNIVERSITY COLLEGE

LONDON (Gower-street, W.C.1) requires part-time SENIOR LECTURER in Division of Decoration, Bartlett School of Architecture, for supervision of Certificate course, including studio work and lectures. Duties, to commence 1st October, 1959, will involve attendance in the School on four days a week during term. Salary up to £1,700 p.a., according to qualifications and experience. Applications, to be received by 1st JUNE, 1959, should be sent to the Secretary, from whom further particulars may be obtained.

SPALDING RURAL DISTRICT COUNCIL.

HOUSING MAINTENANCE ASSISTANT.

Applications are invited for the above appointment. Salary Grade Miscellaneous VI (£715-£775 per annum). Superannuation. Medical Examination.

Candidates should have had experience as a general foreman, and preferably be a bricklayer or carpenter, and must be able to drive a motor vehicle provided by the Council.

The duties will consist mainly of the maintenance of 1,800 Council Houses by direct labour, together with improvement work to pre-war property.

House on rental provided at the Council's Depot.

Applications, in writing, giving details of experience and the names of two referees to the Clerk of the Council, Priory-road, Spalding, by 20th MAY, 1959.

G. S. ASHWORTH,
Clerk of the Council.

OLDHAM EDUCATION COMMITTEE.

Applications are invited for the post of ARCHITECTURAL ASSISTANT or ARCHITECTURAL DRAUGHTSMAN in the Schools Architect's Department.

The salary offered is according to qualifications and experience of the successful candidate (i.e. special scale or A.P.T. I for architectural assistants or Miscellaneous Grade IV-VI for architectural draughtsmen).

This post offers excellent opportunities for responsible and interesting work in all spheres of educational building.

Consideration will be given to the provision of housing accommodation, if required.

Applications by letter, giving full details of age, qualifications and experience, together with the names of two referees, should be addressed to the Director of Education, Education Offices, Union-street West, Oldham, and received not later than the 23rd MAY, 1959.

BIRMINGHAM REGIONAL HOSPITAL BOARD.

CLERKS OF WORKS (TEMPORARY).

CLERKS OF WORKS (Temporary) required for Birmingham and Stafford areas. Appointments for 18 months but possibility of long-term employment. Salary £11 5s. to £15 15s. per week according to qualifications and experience. Written applications with full details to Secretary, Birmingham Regional Hospital Board, 10 Augustus-road, Birmingham 15, by 18th MAY, 1959.

EAST RIDING OF YORKSHIRE COUNTY COUNCIL.

Applications are invited for the appointment of an ENGINEERING ASSISTANT (ELECTRICAL) on the staff of the County Architect. The salary will be in accordance with the A.P.T. Grade IV Scale (£1,065-£1,220 per annum).

Candidates must be Associate members of the Institution of Electrical Engineers and should be experienced in the preparation of a complete scheme, specifications and estimates in connection with electrical installations in schools and other public buildings. They should also be experienced in the design of electronic control of heating installations and should have attained a good standard of draughtmanship.

The successful applicant will be required to provide a car in respect of which a mileage allowance will be paid in accordance with the Council's scale.

Particulars of qualifications, age, experience, past and present appointments with salaries, together with the names of three referees, should be sent to the County Architect, County Hall, Beverley, not later than SATURDAY, 23rd MAY, 1959.

Assistance towards removal, lodging and travelling expenses may be granted.

THOMAS STEPHENSON,
Clerk of the Council.

LANCASHIRE COUNTY COUNCIL.

Applications are invited for the posts of SENIOR ARCHITECTS, Senior Officer's Scale "A," £1,225-£1,390.

Applicants should possess a keen design sense, and a sound working knowledge of modern techniques in building construction.

Successful applicants will be required to work at all stages in the drawing office, and in site supervision of major building projects.

Application Forms from the County Architect, P.O. Box 26, County Hall, Preston quoting reference A/T.B. Previous applicants should not re-apply.

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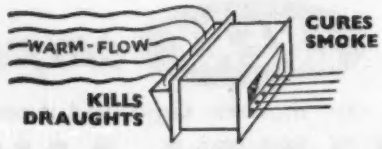

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Solves the problems of

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The major cause of a sluggish chimney is the lack of air being admitted to the room. The problem of introducing fresh air WITHOUT DRAUGHT has been overcome by the "DRAUGHT-MASTER" Automatic Air Inlet Unit.

Cheap to install—100% efficient

Of special interest to Housing Authorities

Details from

W. G. PARSONS & SONS (Heating Engineers)

24 Barbara Close, Rochford, Essex

THURROCK U.D.C.

(Engineer and Surveyor's Dept.) require BUILDING INSPECTOR. Salary, A.P.T. I, £610-£765 p.a. Travelling allowance in accordance with National Scale payable in respect of 10 h.p. car where successful applicant owns a car. Applicants should have thorough knowledge of Building Inspection and the examination of plans deposited under by-laws. Appointment pensionable. Applications, stating age, experience and present appointment and quoting three referees, to Clerk of the Council, Council Offices, Grays, Essex, by 19th MAY, 1959. Canvassing disqualifies. Relationship to Members or Senior Officers of the Council must be disclosed.

COUNTY BOROUGH OF STOCKPORT.

BOROUGH ARCHITECT'S DEPARTMENT.

Applications invited for posts of:—

(1) BUILDING ESTIMATOR (Works Section). Salary A.P.T. III (£880-£1,065), commencing according to qualifications and experience). Requirements—Good knowledge of Building industry and capable of preparing estimates for new works and alterations, and reports on properties.

(2) CLERK OF WORKS. Salary Miscellaneous Grade VI (£715-£775), commencing according to experience. Supervision, large building contracts.

Full particulars to Borough Architect, Town Hall, Stockport, by 26th MAY, 1959, stating age, experience, two referees, and if related to any member/senior officer of Council. Post pensionable, subject to medical examination. Canvassing disqualifies.

BOROUGH OF WATFORD.

Applications are invited for the appointment of MEASURING SURVEYOR on the unestablished staff at a salary in accordance with Grade A.P.T. I (£610-£765); commencing salary in accordance with experience. Duties comprise measuring and settlement of subcontractor's and builder's small accounts and estimating for minor works.

Applications stating age, experience, past and present appointments and giving the names of two persons from whom references can be obtained, to be sent to the undersigned by 22nd MAY, 1959.

F. C. SAGE,
Borough Engineer.

Town Hall,
Watford.

CITY OF LEICESTER.

EDUCATION COMMITTEE.

LEICESTER COLLEGE OF ART.

Applications are invited for the following posts in the School of Building:

(a) LECTURER, with minimum qualifications and experience. Requirements—equivalent. Duties will consist mainly of lecturing in Building Construction to full-time students preparing for professional examinations, and also O.N.D. and H.N.C. work.

(b) ASSISTANT, Grade B, mainly to teach Welding Technology and Practice in Heating and Ventilating, to C.G.L.I. Course No. 180, together with other advanced welding work. Applicants should hold first-class certificates in both Heating and Ventilating Operatives' Practical Work and Fitter/Welders' Work or equivalent, and have had sound industrial experience.

Salary scales:—Lecturer: £1,260 to £1,417 10s. p.a.; Grade B: £682 10s. to £1,076 5s. p.a., plus, for latter, additions for approved qualifications and training, and increments to minimum of scale for previous teaching and industrial experience where appropriate.

Further particulars may be obtained from the Registrar, College of Art, The Newarke, Leicester, to whom applications should be submitted not later than fourteen days after the appearance of this advertisement.

BOROUGH OF EALING.

(a) Two ARCHITECTURAL ASSISTANTS, A.P.T. IV (£1,055-£1,205 inclusive, under review). Must hold recognised architectural qualifications.

(b) JUNIOR ARCHITECTURAL ASSISTANT, A.P.T. I (£575-£725, plus London Weighting, under review). Must have passed Inter. R.I.B.A. or its equivalent.

Full particulars and application forms from Borough Engineer, Town Hall, Ealing, W.5.

Closing date 18th MAY, 1959.

E. J. COPE-BROWN,
Town Clerk.

ST. JOHN'S COLLEGE, OXFORD.

CLERK OF WORKS.

Required at once to work as ASSISTANT with the Surveyor, who will reach retirement age in October, 1961. Practical experience and professional qualifications essential. Age 35-40. Starting salary: £750 p.a. with a house in Oxford. Pension Scheme.

Apply in writing to: The Bursar, St. John's College, Oxford.

ASSISTANT ARCHITECTS,

Borough Architect's and Housing Department, Fulham Borough Council. A.P.T. I, £575/£725 (up to Inter. R.I.B.A. standard) and A.P.T. II, £725/£845 (R.I.B.A. Inter.) plus London Weighting £20/£30 p.a. commencing according to qualifications and experience. Application forms from Town Clerk, Town Hall, S.W.6. Closing date 20th May.

LANCASHIRE COUNTY COUNCIL.

Applications are invited from QUALIFIED HEATING AND VENTILATING ENGINEERS experienced in design of Central Heating Schemes and Hot Water Installations, using all types of fuel.

Permanent staff appointment in A.P.T. Grade IV (£1,065-£1,220). Starting point according to experience.

Previous applicants need not re-apply.

Application Forms returnable by 22nd MAY, 1959, from the County Architect, P.O. Box 26, County Hall, Preston, reference A/B.

CITY OF MANCHESTER HOUSING DEPARTMENT.

DEPUTY CHIEF ASSISTANT ARCHITECT.

Applications invited for the above APPOINTMENT from Qualified Architects, preferably with experience in the design and construction of all classes of Municipal Housing development, including multi-storey flats.

The appointment will be in accordance with J.N.C. Scale "A" (£1,220-£1,390).

Housing accommodation may be available.

Forms of application from the Director of Housing, Town Hall, Manchester, 2, returnable by 1st JUNE, 1959.

COUNTY BOROUGH OF WEST HAM.

BOROUGH ARCHITECT AND PLANNING OFFICER'S DEPARTMENT.

Applications invited for the following established posts:—

(a) DEPUTY GROUP ARCHITECT. Must be A.R.I.B.A.

(b) ASSISTANT PLANNING OFFICER. Must be A.M.T.P.I. or equivalent.

Salaries in accordance with Special Grade, £750 x £40-£1,030 (pending review) and London Allowance (commencing point in Grade according to experience and qualifications).

Application forms and details from Borough Architect and Planning Officer, 70 West Ham-lane, Stratford, E.15, returnable by 26th MAY, 1959.

WYCOMBE RURAL DISTRICT COUNCIL.

APPOINTMENT OF CLERK OF WORKS.

Applications are invited for the above temporary appointment at a salary of £880 per annum plus a car allowance in accordance with the N.J.C. scale for a car not exceeding 1199 c.c. on an essential user basis.

It is anticipated that the appointment will be for a minimum of two years.

The Council will endeavour to assist in the provision of housing accommodation.

Applicants will be required to supervise sewerage schemes and must have had considerable experience of similar work; be capable of levelling, setting-out, measuring up, keeping records, testing, and of supervising construction works.

Applications stating age, qualifications and experience, together with the names and addresses of two referees must be forwarded to the Engineer and Surveyor at the address below not later than MONDAY, the 25th MAY, 1959.

L. C. RYSDALE,
Clerk of the Council.

17 High-street,
High Wycombe.

WEST SUSSEX COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments:—

(1) CHIEF ASSISTANT ARCHITECT, at a salary in accordance with A.P.T. Grade V of the National Scale of Salaries, £1,220-£1,275-£1,325-£1,375. Commencing salary according to experience.

(2) SENIOR ASSISTANT ARCHITECT, at a salary in accordance with A.P.T. Grade IV of the National Scale of Salaries, £1,065-£1,120-£1,170-£1,220. Commencing salary according to experience.

(3) ASSISTANT ARCHITECT, at a salary in accordance with the Special Grade of the National Scale of Salaries, at present £750 x £40—£1,030. Commencing salary according to experience.

(4) TEMPORARY CLERK OF WORKS, at a salary of £16 per week.

Further particulars should be obtained from the County Architect, County Hall, Chichester, to whom all detailed applications must be submitted not later than 21st MAY, 1959.

T. C. HAYWARD,
Clerk of the County Council.

County Hall,
Chichester.
23rd April, 1959.

COUNTY BOROUGH OF EAST HAM.

ARCHITECTURAL ASSISTANT, GRADE I: £610-£765.

London Weighting is paid in addition. A salary in excess of the minimum may be paid according to qualifications and experience.

A subsistence allowance may be granted over a reasonable period to the person appointed if unable to obtain suitable housing accommodation, necessitating the maintenance of two homes.

Further details and application forms returnable by 22nd MAY, 1959, from the Town Clerk, Town Hall, E.6.

COUNTY BOROUGH OF BURY.

Applications invited for position of ARCHITECTURAL ASSISTANT, Special Grade (£750-£1,030). Commencing salary according to qualifications and experience.

Applications stating age, details of training, qualifications, present and previous appointments and experience, together with names and addresses of two referees, must reach me by 18th MAY, 1959.

EDWARD S. SMITH,
Town Clerk.

Town Hall,
Bury.

ELSTREE RURAL DISTRICT COUNCIL.

APPOINTMENT OF ASSISTANT BUILDING INSPECTOR.

Applications are invited for the above appointment. Salary, Grade A.P.T. I £610-£765 per annum) plus London Weighting. Commencing salary in accordance with qualifications and experience.

The Officer appointed will be required to provide and maintain a motor car, for which an allowance of £100 per annum will be paid.

Candidates should hold the Building Inspectors' Certificate of the Institution of Municipal Engineers but consideration will be given to applicants who are studying for this qualification.

THE SUCCESSFUL CANDIDATE, IF MARRIED, WILL BE OFFERED HOUSING ACCOMMODATION, IF DESIRED.

The appointment will be subject to the National Scheme of Conditions of Service; the provisions of the Local Government Superannuation Acts, 1937-1953 and will be determinable by one month's notice, in writing, on either side. The successful candidate will be required to pass a medical examination.

Relationship to any Member or Office; of the Council must be disclosed and canvassing directly or indirectly will disqualify.

Applications stating age, qualifications and experience, together with the names and addresses of two referees, should be sent in an envelope endorsed "Building Inspector," so as to reach the Engineer and Surveyor at these Offices not later than TUESDAY, 19th MAY, 1959.

A. LANCASHIRE,
Clerk of the Council.

Council Offices,
Shenley-road,
Borehamwood,
Herts.
28th April, 1959.

MUNICIPAL BOROUGH OF TOTTENHAM.

CLERK OF WORKS (Unestablished), A.P.T. II, £765 to £880 p.a., plus London Weighting of £20 or £30 p.a. Applicants must be thoroughly conversant with the building trade and experience in reinforced concrete construction would be an advantage.

Application form and conditions of appointment from Borough Engineer (B), Town Hall, Tottenham, N.15. Applications to be delivered by MONDAY, 25th MAY, 1959.

COUNTY BOROUGH OF WIGAN.

EDUCATION COMMITTEE.

Applications are invited for the post of CLERK OF WORKS, contract approximately 16 months, to supervise erection of two schools in Wigan. Interesting modern construction. Previous experience as a Clerk of Works desirable but not essential. Applicants must have all-round knowledge of building, initiative and ability to co-operate. Salary £800 to £900 per annum according to experience.

Reply, giving details and two recent references, to reach the Director of Education, Education Offices, Town Hall, Wigan, not later than 16th MAY, 1959.

ALLAN ROYLE,
Town Clerk.

29th April, 1959.

CLERK OF WORKS

required by Chelsea Borough Council for Housing Scheme including 11-storey block. Construction starting July, 1959. Contract approximately two years. Salary 18 guineas per week. Experience in tall buildings and housing essential. Application by 15th MAY, 1959, on form to be obtained from Borough Engineer and Surveyor, Town Hall, King's-road, S.W.3.

POPLAR BOROUGH

COUNCIL invite applications for permanent appointment of DEPOT CLERK (STORES) General Division. Applicants should have sound knowledge and good experience of local authority stores organisation including materials and plant of all types. Salary according to qualifications and experience within the scales £425-£620 or £500-£700 per annum plus £30 London "Weighting" Salary, scales under review. Working week of 44 hours with Saturday morning rota duty. Application forms obtainable from Borough Engineer and Surveyor, Poplar Town Hall, Bow-road, E.3. Closing date first post SATURDAY, 16th MAY.

CITY OF LEEDS.

WORKS DEPARTMENT.

Applications are invited for the appointment of—

QUANTITY SURVEYOR, Grade A.P.T. II (£725 to £845 per annum).

Applicants must be thoroughly experienced in the preparation of Bills of Quantities, estimates, valuation of works in progress and settlement of final accounts.

The appointment is subject to the provisions of the Local Government Superannuation Acts, and the successful applicant will be required to pass a medical examination.

Forms of application may be obtained from the Director of Works, Sweet-street, Leeds, 11, to whom they should be returned not later than SATURDAY, 23rd MAY, 1959.

Canvassing in any form, either directly or indirectly, will be a disqualification.

H. R. HUDSON, L.R.I.B.A.,
Director of Works.

BOROUGH OF ENFIELD.

CLERKS OF WORKS.

Applications are invited for TWO CLERKS OF WORKS at salaries within Grade A.P.T. I (£610-£765 per annum plus London Weighting of £30) for supervision of the erection of Council houses and flats and School extensions.

The posts are temporary and duration will be dependent on continuation of the Housing and Schools programme. Applicants must have a thorough knowledge of all building trades, experience in reinforced concrete work and be familiar with the duties of a Clerk of Works.

Applications on forms obtainable from H. D. Peake, M.Sc. (Eng.), M.I.C.E., Borough Engineer and Surveyor, 7 Little Park Gardens, Enfield, Middx., to be returned by the 19th MAY, 1959.

CYRIL E. C. R. PLATTEN, LL.B.,
Town Clerk.

Public Offices,
Enfield,
Middx.

CITY OF NEW SARUM.

CITY ENGINEER'S DEPARTMENT.

Applications are invited for the following appointments on the established staff of the City Engineer:—

(i) ENGINEERING ASSISTANTS (Grades A.P.T. II, III or Special).

(ii) ARCHITECTURAL ASSISTANTS (Grades A.P.T. II, III or Special).

In each case the starting salaries will be dependent upon age, experience and qualifications.

The posts are pensionable and subject to National Joint Council conditions, medical examination and one month's notice on either side.

Housing accommodation will be made available if required.

Both appointments offer *inter alia* an interesting variety of design problems in connection with the Council's capital works programme.

Applications stating age, qualifications, present and previous appointments with salary, together with the names of two referees to The City Engineer, The Council House, Bourne Hill, Salisbury, by WEDNESDAY, 20th MAY, 1959.

GEO. RICHARDSON,
Town Clerk.

COUNTY COUNCIL OF ESSEX.

COUNTY LAND AGENT AND VALUER'S DEPARTMENT.

Applications are invited for the appointment of a JUNIOR MALE ASSISTANT (ARCHITECTURAL) on the Established Staff. Salary according to age and experience, not exceeding £560.

Candidates should be capable draughtsmen and have been trained in an appropriate professional office. The successful candidate will assist in the work of the Building Section of the Department. The work of this Section comprises the preparation of plans and surveys in connection with the erection of new houses and farm buildings and improvements to existing properties.

Application forms, obtainable from The Chief Valuation Assistant, County Land Agent and Valuer's Department, 69 Duke-street, Chelmsford, should be returned to him by FRIDAY, 22nd MAY, 1959.

Canvassing disqualifies.

CITY OF SALFORD.

DIRECT WORKS DEPARTMENT.

Applications are invited from suitable qualified persons for the following appointment in the above Department:—

MAINTENANCE SUPERINTENDENT.

Applicants must have had considerable experience in the building trade and must be capable of administrating and supervising the Maintenance Section of the Department. This Section employs 300 men engaged upon the maintenance of all Council properties, including Public Buildings, Houses, Schools, Clinics, etc., and, in addition, he will be required to supervise the construction of very small new buildings.

The person appointed must be capable of preparing details of labour, etc., for estimate purposes, have a knowledge of incentive payments as a comprehensive bonus system is operated on various classes of work. Previous experience with a Local Authority is not essential but experience with a large Maintenance Organisation will be an advantage, as will some experience of the control of building trade workshops.

Grade—A.P.T. III.

The commencing salary, according to experience, will be within the range of £880-£1,065 per annum.

This post is superannuable and subject to a Medical Examination. Housing accommodation may be considered in approved circumstances.

Applications, giving details of present and previous appointments, qualifications and experience, together with the names and addresses of two referees, should be sent to the General Manager, Direct Works Department, Unwin-street, Crosslane, Salford, 5, so as to be received not later than 10 a.m. on MONDAY, 18th MAY, 1959.

R. RIBBLESDALE THORNTON,
Town Clerk.

EASTERN ELECTRICITY BOARD.

CHILTERNS SUB-AREA

SENIOR DRAUGHTSMAN—SUB-AREA HEADQUARTERS.

Candidates should have had a good technical training and preferably experience in an Architect's office. They should be capable of preparing detailed drawings and specifications of buildings and civil engineering works, including sub-stations, service centres, workshops and offices.

The successful candidate will be required to supervise staff engaged on the preparation of drawings, be capable of the design of simple reinforced concrete structures and be able to carry out site surveys.

The successful candidate will be required to contribute to a superannuation scheme and may be required to undergo a medical examination.

Salary: N.J.B. Schedule D, Grade 5 (£790-£890).

Apply by letter to the Manager, Chilterns Sub-Area, Eastern Electricity Board, Prebend-street, Bedford, by 22nd MAY, 1959.

GLAMORGAN COUNTY

COUNCIL require a TEMPORARY CLERK OF WORKS at £14 15s. per week to supervise the erection of a new Primary School at Rhiwbina, Cardiff.

Applicants must have considerable appropriate experience. Details of age, trade, practical experience and particulars of work on which applicant has been previously engaged, either as Clerk of Works or as General Foreman, together with the names of two referees, should be forwarded *immediately* to the County Architect, County Hall, Cardiff.

Travelling or subsistence allowance (but not both) may be paid to the successful candidate.

RICHARD JOHN,
Clerk of the County Council.

CITY OF LEICESTER.

Applications are invited from persons with the necessary experience in a Town Planning Department for the positions of PLANNING ASSISTANTS within A.P.T. Grade III or Special Grade.

HOUSING ACCOMMODATION can be made available.

Applications giving details of training and experience and accompanied by copies of two recent testimonials, or the names of two referees, should be received by THURSDAY, the 14th MAY.

JOHN L. BECKETT, M.I.C.E.,
M.Inst.Mun.E., M.T.P.I.,
City Surveyor and Planning Officer.

Town Hall,
Leicester.

BINGLEY URBAN DISTRICT COUNCIL.

APPOINTMENT OF CHIEF ARCHITECTURAL ASSISTANT IN THE SURVEYOR AND ARCHITECT'S DEPARTMENT.

Applications are invited for the following permanent appointment on the Surveyor and Architect's Staff—

CHIEF ARCHITECTURAL ASSISTANT, Special Grade within the Scale £870 x £40-£1,030.

Candidates for the post should have had considerable training and experience in housing design and development, and general architectural work. Preference will be given to candidates who have passed the final examination of the Royal Institute of British Architects or have passed Parts I and II.

The appointment will be terminable by one month's notice on either side and will be subject to the provisions of the Local Government Superannuation Act, 1937.

Applications, stating age, qualifications, training and experience, and details of past and present appointments, accompanied by copies of two recent testimonials, or the names and addresses of two referees, should be forwarded, endorsed "Chief Architectural Assistant" to the undersigned, before WEDNESDAY, 13th MAY, 1959.

Housing accommodation may be made available.

F. M. DUNWELL,
Clerk of the Council.

Town Hall,
Bingley.
29th April, 1959.

CITY OF SALFORD.

DIRECT WORKS DEPARTMENT.

Applications are invited from suitable qualified persons for the following appointment in the above Department:—

TECHNICAL ASSISTANT (Electrical and Heating), Grade A.P.T. II-III, Salary £765 to £1,065 per annum.

Applicants must have had considerable experience in the preparation of estimates for electrical and heating contracting, together with the preparation of specifications for minor alterations and adaptations. Preference will be given to persons holding suitable qualifications, e.g., A.M.I.H.E. and A.M.I.E.E.

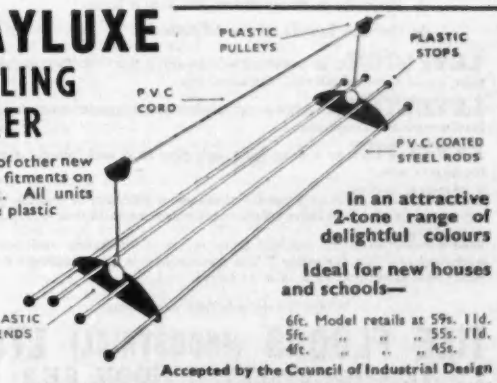
Housing accommodation may be considered in approved circumstances.

This post is superannuable and subject to a Medical Examination.

Applications, giving details of present and previous appointments, qualifications and experience, together with the names and addresses of two referees, should be sent to the General Manager, Direct Works Department, Unwin-street, Crosslane, Salford, 5, so as to be received not later than 10 a.m. on MONDAY, 25th MAY, 1959.

R. RIBBLESDALE THORNTON,
Town Clerk.

GAYLUXE CEILING AIRER



Leaflet of other new kitchen fitments on request. All units are plastic

In an attractive 2-tone range of delightful colours

Ideal for new houses and schools—

6ft. Model retails at 59s. 11d.
5ft. " " " 55s. 11d.
4ft. " " " 45s.

Accepted by the Council of Industrial Design

C.T. LTD., 32 Southbourne Rd., Sheffield 10 Sheffield 65271

CITY OF LIVERPOOL.

ASSISTANT (PURCHASING)—HARDWARE AND IRONMONGERY.

Applications are invited from persons with buying experience, particularly in the purchase of builders' sundries, either with a local authority or similar body, or with a large commercial firm or similar undertaking, for the above appointment in the Central Purchasing Section of the Town Clerk's Department. Salary £765-£880 per annum (A.P.T. II).

Application forms (returnable by 14th MAY) and further particulars obtainable from the undersigned.

The appointment is superannuable and subject to the Standing Orders of the City Council. Canvassing disqualifies.

THOMAS ALKER,
Town Clerk.

Municipal Buildings,
Liverpool, 2.
(J.5636.)

STATISTICIAN (Assistant

Planning Officer (Research)), A.P.T. Special Grade (£750-£1,030) for County Borough of Southampton, Borough Architect's Department.

Duties: Research; Compilation of planning statistics; Direction of survey work on population, employment, etc., in connection with review of Development Plan.

Qualifications: University Degree in economics or other appropriate subject, with special reference to statistics.

Commencing salary according to experience.

Candidates should state housing requirements.

Application Forms from the Borough Architect, Civic Centre, Southampton, returnable by 25th MAY, 1959.

MERSEYSIDE AND NORTH WALES ELECTRICITY BOARD.

FOURTH ASSISTANT ENGINEER (BUILDING) required at No. 2 Sub-Area Headquarters, Sandiway House, Northwich, Cheshire. Salary within range £815/£860 per annum (N.J.B. K/13).

Duties will include supervision of new building work and building maintenance throughout the Sub-Area. Previous experience as a Clerk of Works would be an advantage. Technical qualifications desirable.

Appointment subject to medical examination. Pension scheme.

Application forms obtainable from the Manager at the above address. Closing date 18th MAY, 1959.

OVERSEAS PUBLIC APPOINTMENTS

BUILDING INSTRUCTOR

required by Government of Zanzibar Education Department on contract for one tour of 24-36 months in first instance. Salary, according to age and experience, in scale £813 rising to £1,341 (including Inducement Pay). Gratuity 13½ per cent. total salary drawn. Outfit allowance £30. Free passages. Liberal leave on full salary. Candidates under 45 must possess O.N.C. or H.N.C. in Building and have industrial experience. C. & G. Final Certificate in Bricklaying or Masonry and familiarity with Builder's Office procedure an advantage. Write to the Crown Agents, 4 Millbank, London, S.W.1. State age, name in block letters, full qualifications and experience and quote M2B/50581/BH.

INSPECTORS OF WORKS

(RURAL WATER SUPPLIES) required by NIGERIAN EASTERN REGION GOVERNMENT, P.W.D., on contract for tour of 12 to 24 months in first instance. Salary according to experience in scale (including Inducement Addition) £1,140 rising to £1,620 a year. Gratuity at rate of £150 a year. Outfit allowance £60. Free passages for officer and wife. Assistance towards children's passages and grant up to £150 annually towards maintenance in U.K. Liberal leave on full salary. Candidates must have experience in construction of open cast wells in hard and soft ground, emplacement of concrete linings, and in ancillary works in small distribution systems. Candidates with general building experience will be considered if they are prepared to work in wells and to go down wells for the purpose of construction and inspection. Miners and R.E. field sappers of sergeant rank and above will be eligible. Candidates must be prepared to work under bush conditions. Write to the Crown Agents, 4 Millbank, London, S.W.1. State age, name in block letters, full qualifications and experience and quote M2B/50100/BH.

That 'Ribby' Screed

IS A JOB FOR LEVELTEX SCREEDING COMPOUND

LEVELTEX will

★ Smooth uneven screeded or concrete floors.
★ Make worn boarding uniform.
★ Provide a flush finish for worn tiles.
★ Enable levels to be adjusted.

LEVELTEX is an excellent quick-setting base for Thermo-plastic tiles, wood block, Cork tile, Linoleum, etc.

LEVELTEX provides a permanent and hygienic underlayment for Carpets and Linoleum.

LEVELTEX as a floor finish will give long and "silent" service for normal use.

LEVELTEX is an economical means of patching or making good any surface on floors or stairs where only a minimum thickness is required.

LEVELTEX can be laid from ⅛" to ¼" thickness and can be trowelled to a "feather-edge." The setting time is approximately 5 to 7 hours and hardening time 12 to 14 hours.

Write for details and prices to:

TILE FLOORS (INDUSTRIAL) LTD.
YEOMAN STREET, LONDON, S.E.8
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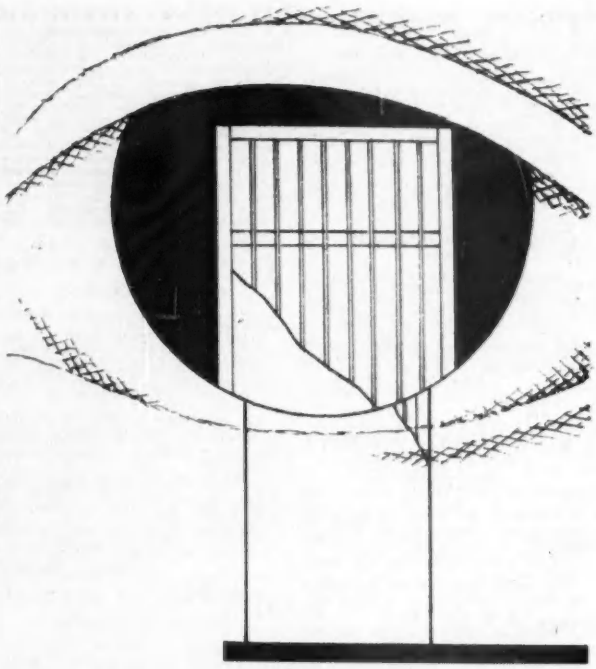


If you had X-Ray eyes!

It would be possible to see the basic construction, the anatomy of the Crosby door; possessing the main virtues a door should possess. The Crosby door will add the final touch of distinction to any building.

INTERNAL FLUSH DOORS,
Lipped two long edges.
Plywood and Hardboard.

CROSBY DOORS

are made by specialists. For details and supporting literature contact your Timber or Builders' Merchant

Crosby & Co. Ltd., Lion Works, Farnham, Surrey.
Telephone: Farnham 5291-2-3.

COMPANY MEETING

JOSIAH PARKES & SONS LIMITED

(Manufacturers of Locks and Brassfoundry)

ANOTHER VERY SATISFACTORY YEAR

The Ordinary Annual General Meeting of Josiah Parkes & Sons, Limited, was held on April 30 at Willenhall, Mr. C. W. Parkes, J.P. (chairman and joint managing director) presiding.

The following is an extract from his circulated statement:

The group has again had a very satisfactory year. Turnover was rather higher than in the previous year and group trading profit before tax is 13 per cent. up on 1957. This is a reflection of a general increase in efficiency since it has been achieved despite a rise in wage costs and a slight fall in average selling prices.

Parent Company: The factories at Willenhall have been fully occupied during the year. Our home trade was again higher than the previous year with both the building and the motor trades, but export trade fell slightly. I am glad to say there was a good recovery in the last quarter, which has continued into the current year. At the end of 1958 the order book was in a very satisfactory position.

Edwin Showell and Sons, Ltd: The reorganisation to which I referred last year has been very extensive and was not completed until late in the year. A loss was incurred, but we are satisfied that, given reasonable business conditions, a good potential exists and we can expect improved results in the future.

South Africa: The South African company had a very good year. The expenditure on extensions to the factory and plant has yielded a quick dividend, assisted by a satisfactory rise in turnover. Further additions at the plant of both buildings and machinery were completed during the year.

Additions to buildings during the year include most of the cost of the extensions in South Africa, and payments on account for work done on a major extension at the Portobello factory at Willenhall. The building contract for this latter item has been placed and £63,000 is included in the outstanding capital commitments to cover the balance of the cost. It is hoped to have the building in use towards the end of 1959. Apart from some additions to capacity in South Africa, plant expenditure during the year was only normal replacement and modernisation. Total expenditure is approximately equal to the depreciation provided in the year. As usual, plant and buildings have been maintained at a high standard of efficiency.

ACCOUNTS

The trading profit of £295,007 is £34,531 higher than in 1957, an increase of 13 per cent. The amount required for taxation on the year's profit (as amended by the 1959 Budget) is £134,739, and the net available profit is £27,161 higher at £160,268. The proposed dividend distribution in respect of 1958 requires slightly more than in 1957, but a further £10,960 will be absorbed by a special interim dividend declared for 1959.

The Consolidated Balance Sheet shows a strong position with a liquid surplus of £757,521 compared with £655,949 a year ago. The total of Capital and Reserves invested in the business has increased by £122,211 in the year, now standing at £1,301,164.

The proposed final dividend of 6¼ per cent, with the interim dividend already paid of 5 per cent makes a total distribution of 11¼ per cent for the year.

LONDON STOCK EXCHANGE QUOTATION

Your directors have recognised for some time that the market for the company's shares on the Birmingham Exchange was very limited. Following the last increase in Capital, the time was thought opportune and an application to the London Stock Exchange for a quotation in respect of the whole of the issued capital was approved as from 26th February, 1959.

PROSPECTS FOR 1959

I am very reluctant to prophesy what trade will be like for the rest of this year. At the moment all our factories are fully employed and we have a satisfactory order book. With the political and economic difficulties that so many of our overseas friends are experiencing, I myself do not care to make any forecast of the future. What I said in my remarks last year about trade with the self-governing dominions is still largely true today; they all have access to our home market without restriction but many of them impose licence or quota restrictions on the goods we manufacture and would like to sell to them.

STAFF

I again wish to express our thanks to all the members of our staff, to all employees in the factories at home and in South Africa, and to all our representatives and agents for their loyalty and hard work during the year.

The report and accounts were adopted.

COMPANY MEETING

TAYLOR WOODROW LIMITED

ANOTHER YEAR OF PROGRESS

The Twenty Fourth Annual General Meeting of Taylor Woodrow Limited will be held on May 29 in London.

The following is an extract from the review of Mr. Frank Taylor, the Chairman, which has been circulated to Shareholders with the Directors' Report and Accounts for 1958:

The progress of your Company during the year under review has been not unsatisfactory and evidence of this is reflected in the Accounts for the year ended December 31, 1958.

In the conditions affecting the Building and Civil Engineering Industry generally in the latter half of 1958, contracts of the right type were more difficult to obtain. Happily in recent months, we have seen a reduction in the Bank Rate and the suspending of Government controls on borrowing and the raising of new capital by private enterprise. It is expected that these factors will assist towards increasing the volume of building and civil engineering work available.

ACCOUNTS

The Profits for the year have been announced at £538,761 but the figures now submitted take into account the proposed reduction in the rate of Income Tax from 8s. 6d. to 7s. 9d. Consequently, the Profits for the year after Taxation are shown at £573,761 as compared with £525,062 for the previous year.

Your Directors are recommending that the final dividend for the year shall be 7½d. per share (less tax), which is the same amount per share as for 1957 but for 1958 it is on 9,000,000 Ordinary Shares which includes the 3,000,000 Ordinary Shares which were issued out of Reserves in November, 1958.

The turnover, including Subsidiary Companies but not Associated Companies, for 1958 was £27 million, an increase of 20 per cent. compared with the 1957 total of £22½ million.

AT HOME

Building and Civil Engineering: This year has been one of great activity and increased turnover despite competitive conditions in the industry.

Hinkley Point Atomic Power Station, upon the design and construction of which we are engaged in association with the English Electric Company Limited and Babcock & Wilcox Limited, continues to attract the widest interest not only owing to its size and importance but also because of the vigorous manner in which the contract is being undertaken.

During 1958 the second atomic power station at Calder Hall and the conventional power station at Castle Doningon were both successfully commissioned. Our work upon other stations at High Marnham and Northfleet is progressing well.

The completion of Bowater House for The Land Securities Investment Trust Limited provides London with undoubtedly one of its most handsome buildings and we were happy to be appointed by this same employer to develop an important island site bordering upon Oxford-street, W1. Another prominent office building upon which work is advancing well is that of The English Electric Company, Limited, in Aldwych, WC2. We anticipate commencing work shortly on two further major contracts for office development in Victoria-street, SW1.

Elsewhere, we are engaged upon schemes contributing towards the modernisation of British Railways, missile bases for the Air Ministry, Harrods new store in Birmingham and much private industrial development including work for Carreras Limited, Cow & Gate Limited and The Wellcome Foundation Limited. We have a larger than ever volume of work in hand.

Myton Limited: This Company continues to expand and again finished the year with a good order book. It faces the future with confidence.

Plant Companies: The large purchases of Capital equipment necessitated extensions to our plant overhaul facilities. These extensions have now been agreed and building work will be undertaken during the current year.

Arcon Export and Home: As with many other Companies supplying capital goods to Overseas markets, during 1958 Taylor Woodrow (Building Exports) Limited felt the repercussions of a trade recession in which a major contributory factor was the world-wide fall in commodity prices, and corresponding reduction in purchasing power and demand by many hitherto fruitful territories. At Home too, credit control and other factors restricted the volume of orders to a certain extent, but recent relaxations have brought signs of a modest revival.

OVERSEAS

Canada: Building and Civil Engineering contracts in this Dominion are still subject to severe competition. However, during the year under review Taylor Woodrow (Canada) Limited obtained two substantial contracts and good progress is being made on these two contracts.

West Africa: Continued progress has been made by our Associated Companies in Nigeria, Ghana and Sierra Leone. A number of substantial contracts were obtained during the year including important road construction works and the extensions to Lagos Airport.

Work on the £3½ million extensions to Port Harcourt Harbour continues to show good progress.

During the year a number of leaders of Industry have publicly declared their views on Nationalisation. Under free enterprise great progress has been made by Industries generally, and in my view it is essential for the well-being of the nation as a whole that control of Industry be left in the hands of those with the necessary experience who have proved themselves capable of running it.

'Ah, good morning, my man!' said Baron Rabbit. 'I want to buy a pipe.'

'Yes, your excellency', said the tobacconist respectfully. 'We have some fine old briars, or perhaps a meerschaum, or a clay pipe – but O no, your worship wouldn't want anything so insignificant as that –'

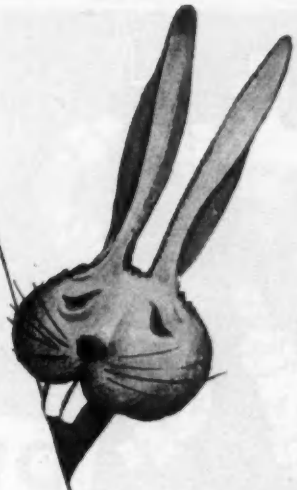
'Insignificant?' cried the Baron. 'Clay pipes are glorious! Salt glazed clay is well-nigh impervious! It's acid-resistant! Immune to moulds and fungus! Can't be scratched by sand or grit! Copes with all kinds of effluents for centuries on end!'

'Yessir, yessir!' said the tobacconist. 'Will you take your clay pipe or shall I send it?'

'Keep it for now', said the Baron. 'I'll send my butler down to collect it.'

Salt Glazed Clay Pipes – for drainage, for ever

NATIONAL SALT GLAZED PIPE MANUFACTURERS' ASSOCIATION



Dear Brer' Architect,

Have you heard the buzz about the Acoustic Panel called Rabbit Warren? It has a grooved insulating board base bonded to a perforated hardboard top. The grooves are varied in depth because of the difference in noise frequencies. Alternative finishes are obtainable and fixing is by conventional methods.

With ears like mine I can solve any acoustic problem likely to confront you.

Alternatively, Brer' Technician will come bounding round to you personally.

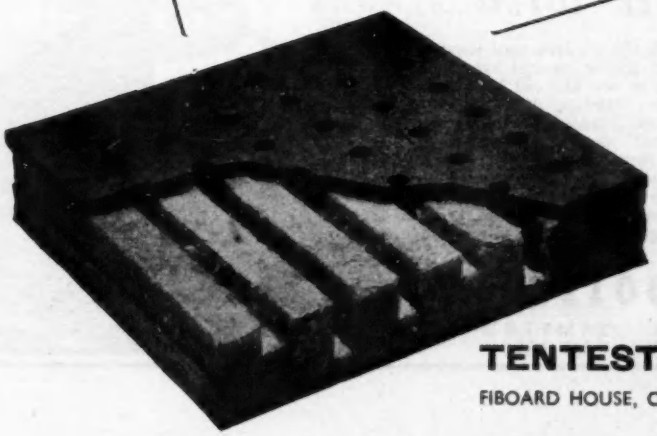
Yes Sir! From now on noise is in the groove.

Yours sincerely,

Brer' Tentest

Brer' Tentest

HEAT & SOUND INSULATION EXHIBITION
EARLS COURT
APRIL 7—17, 1959
SEE OUR EXHIBIT



TENTEST

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All Kontite cast fittings are in corrosion resisting Gunmetal alloy. They are therefore particularly suitable for use where pipes are being laid in ground where adverse soil and water conditions are likely to be experienced. Send for our new Comprehensive Catalogue 24th Edition.

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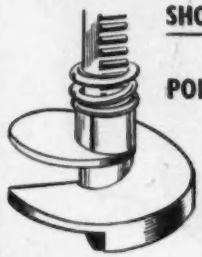

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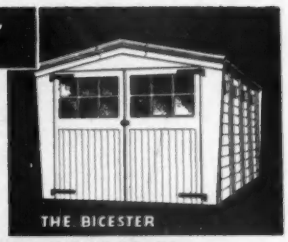

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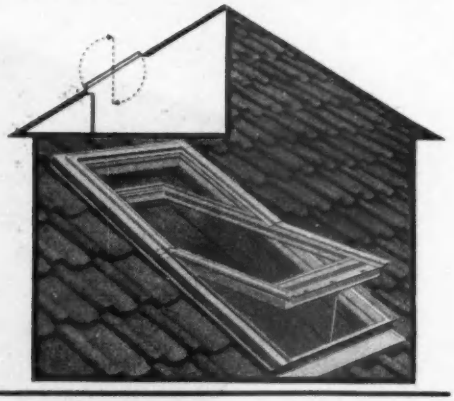

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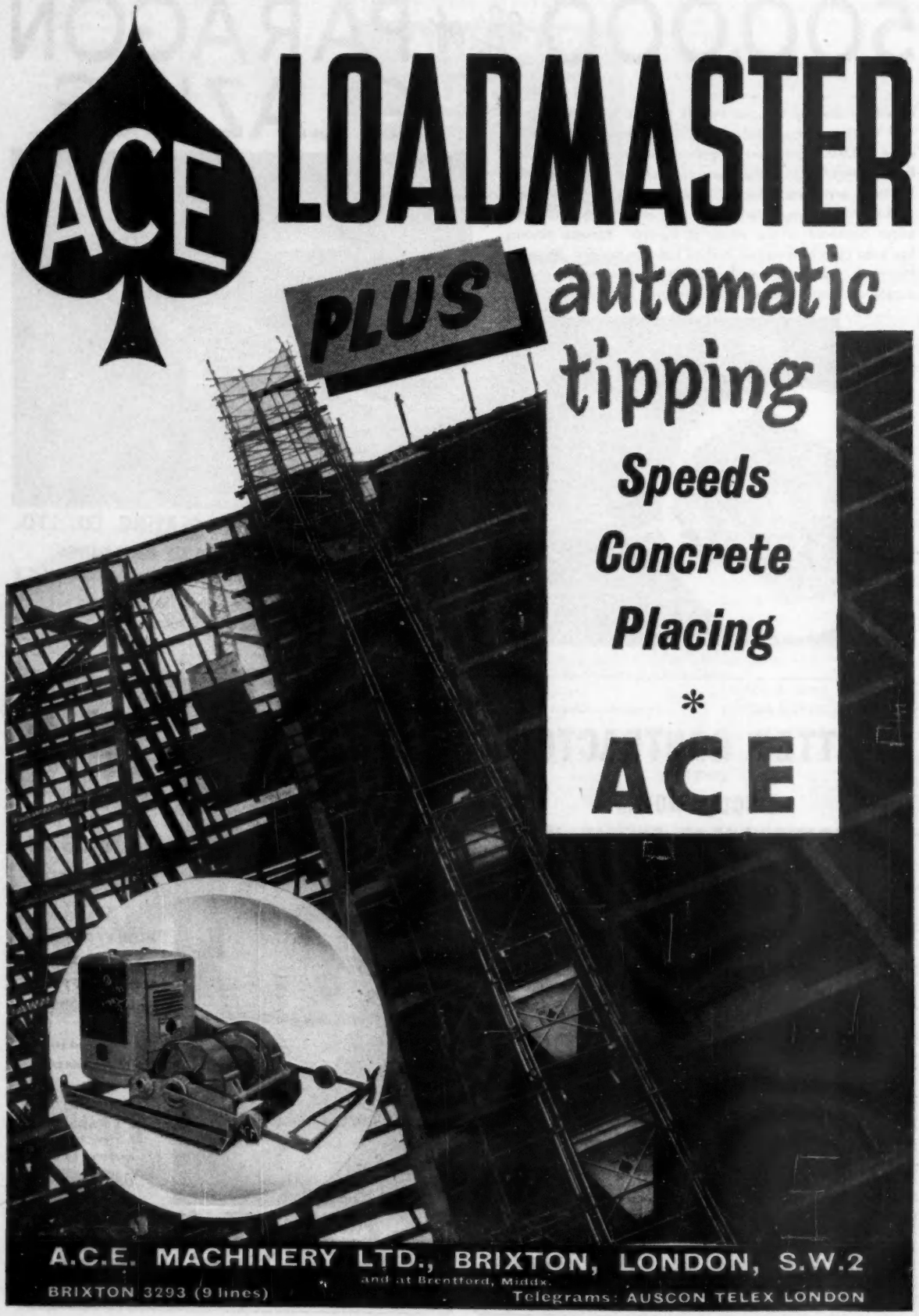
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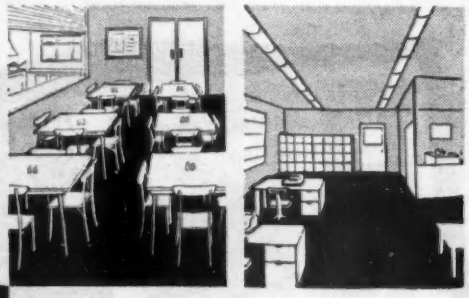

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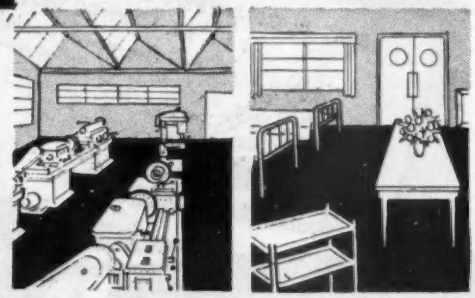

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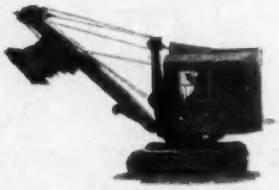

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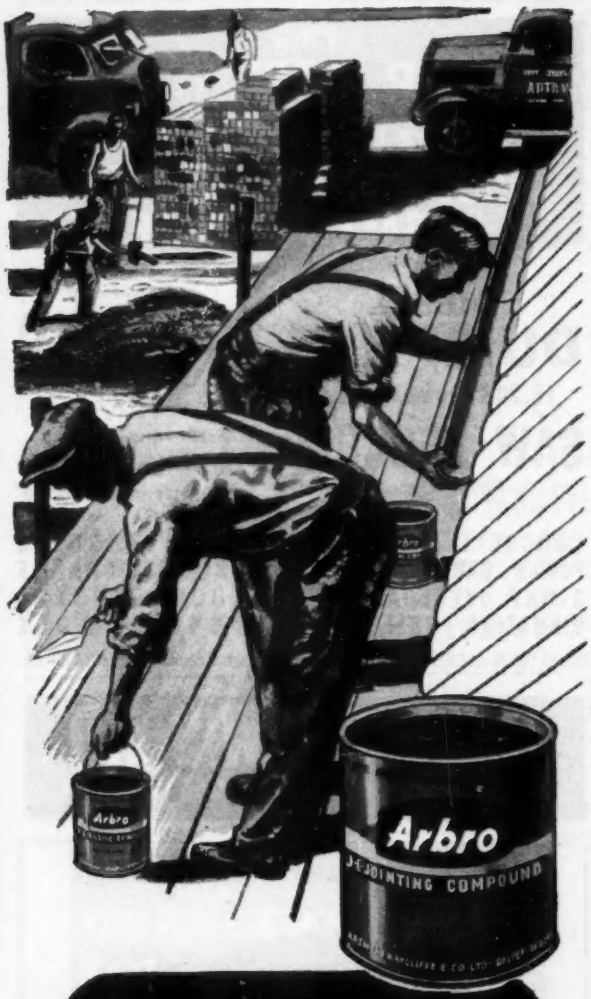

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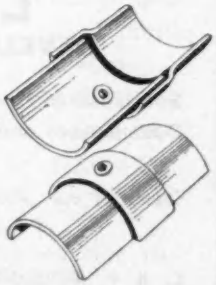

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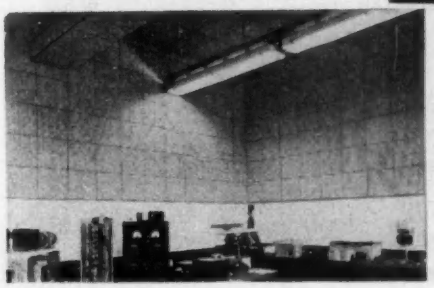

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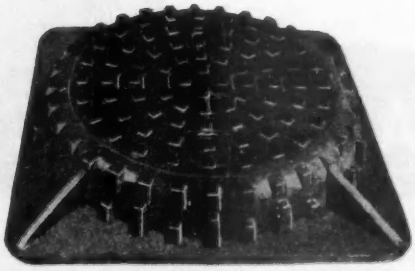

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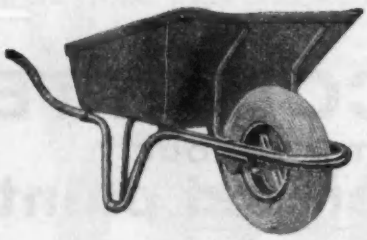

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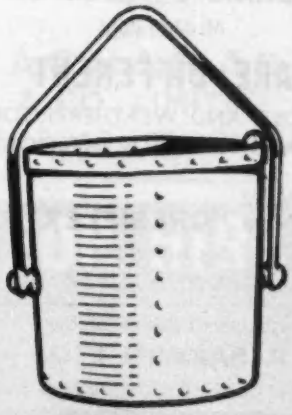
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SURVEYOR capable of site measuring and general building works, preparation of variations and agreement of Sub-Contractors' accounts.—Write full details in confidence to The Secretary, C. MISKIN & SONS, Ltd., Romeland House, St. Albans.

SURVEYOR/TAKER-OFF Required for London office Reinforced Concrete and Hollow Tile Flooring specialists. Must be fully competent and able to draft and negotiate final accounts. Pension scheme; 5-day week.—Write fully details of experience, age and salary required, to Box 979, "The Builder."

MESSRS. LETTS BROS., 340 Richmond-road, Twickenham, Surveyors to True Bond Homes, Ltd., have vacancy for a SENIOR SURVEYOR, who must be a Chartered Surveyor. Applicant must be experienced in the supervision of building construction, the preparation of building contracts and the administration of payment under contracts. Salary about four figures according to experience. Flat available if required.—Apply in writing stating age, and full details of experience. Envelopes to be marked "Senior Surveyor."

BUILDING SURVEYOR Required by medium sized company engaged on good class alteration and conversion works, to be responsible for site measuring for variations, valuations, etc., and for the preparation of accounts.—Apply in writing stating salary required to A. BELL & SON (PADDINGTON), Ltd., 58 Kensal-road, W.10.

MESSRS. WELLS AND WALCHLI, Chartered Quantity Surveyors, of 28 Cork-street, London, W.1, Require one SENIOR and one JUNIOR ASSISTANT.—Applicants should telephone REGent 3045 for an appointment.

MEASURING SURVEYORS Required, capable of handling contracts from £5,000-£250,000; must be experienced in Taking-off and ordering materials from Bills of Quantities, interim certificates and final accounts.—Apply in writing RICHARDSON, Herbert House, Slade Green, Erith, Kent.

YOUNG SURVEYOR Required to undertake interesting work, final accounts, remeasurements, Taking-off under supervision. Must have National Service completed. Salary range according to experience commencing from £600.—Reply giving full particulars, age and experience, BROADHEAD & ROYLE, F.R.I.B.A., Architects and Surveyors, 2 Castle-place, Nottingham.

BUILDER'S SURVEYOR (25-35) Required; must have sound knowledge of site measuring, variations, interim valuations, final accounts, etc.; pension scheme.—Apply in writing only giving full details of experience, age and salary desired to BRAZIER & SON, LIMITED, 303-305 Portswood-road, Southampton.

SENIOR SURVEYOR, aged 27-35, Required by London Building Contractors for Contracts in the Greater London area. Excellent opportunity for keen experienced Surveyor to progress within expanding organisation. Permanent position with Pension Scheme and other attractive conditions.—BERNARD SUNLEY & SONS (P.D.), 25 Berkeley-square, W.1.

EXPERIENCED ASSISTANT TO QUANTITY SURVEYOR Required for approximately 3 days per week in Bromley, Kent, area.—Write stating age, experience and salary required, to Box 668, "The Builder."

BUILDER'S SURVEYOR Required, able to measure up and bill final accounts, large and small contracts.—Apply stating age, experience and salary required to GREENWOODS (MANSFIELD), Ltd., 2 Wood-street, Mansfield, Notts.

SURVEYOR, experienced in measurement of Industrial Pipeworks Contracts Required for large Contract in South Wales.—Apply, stating age, experience and salary required, to Box 644, "The Builder."

BONUS MEASURING SURVEYOR Required in the Building Division of Richard Costain Ltd., which is concerned mainly with Industrial type construction—Factories, Power Stations, Office Blocks and Flats. Candidates must have had site experience of measuring all trades and bonusing on medium or large contracts, and should have a thorough knowledge of costing. Good conditions and prospects. Subsistence allowances when on site.—Write stating age and details of experience to Assistant Personnel Officer, 111 Westminster Bridge-road, London, S.E.1.

SURVEYOR/ESTIMATOR Required by old-established Building Contractors Western Home Counties. Responsible position covering estimating, valuations and accounts for competitive housing and other medium-size contracts. Permanent position with firm of sound reputation.—Reply in confidence to Box 686, "The Builder."

SURVEYOR Required by well-known firm of Building and Civil Engineering Contractors with Head Office in S.W.1 area. Applicants should have thorough knowledge of their job from enquiry to final account stage.—Write, please, in first instance, to Box 692, "The Builder."

Experienced

SURVEYOR-ESTIMATOR

required for Small-Contracts Division of London Building Contractors. Able to handle contracts, up to £25,000, from enquiry to final account with minimum supervision, including preparation own quantities. Excellent opportunity for capable and enthusiastic surveyor age 27-35 to advance within progressive organisation. Good salary, Pension Scheme, and other attractive conditions. Apply—Personnel Director

BERNARD SUNLEY & SONS LTD.,
25, Berkeley Square, W.1.

CHARTERED QUANTITY SURVEYORS with office in Holborn area Require ASSISTANT, studying for Final R.I.C.S., for taking-off and site measurement. State experience and salary required. —Box 597, "The Builder."

ASSISTANT BUILDER'S SURVEYOR Required. Able to take off quantities from plan and specification and control small works, private housing, etc. Permanent position with good prospects for keen young man.—Reply, with details of technical training, experience and salary required, to Managing Director, J. T. PARSONS & SON, Ltd., Westbury, Wilts.

SENIOR QUANTITY SURVEYOR'S ASSISTANT Required in West End Architects' office. Opportunity for position of responsibility.—Reply to Box 598, "The Builder," giving details of age, experience and salary required.

ASSISTANT SURVEYOR is Required due to the policy of continued expansion. Applicant to have obtained Higher or ordinary National Diploma and have completed National Service. Age over 23 years. Excellent prospects to progress with the company. —Apply: T. & B. (ST. ALBANS), Ltd., 69 Victoria-street, St. Albans. Telephone: St. Albans 55474.

ASSISTANT TO SURVEYOR Required for interesting and varied work with progressive building contractors.—Write, stating age, experience and salary required to EAGLE CONSTRUCTION CO., Ltd., Sanderstead, Surrey.

ASSISTANT SURVEYOR Required for final accounts and interim valuations for reinforced concrete construction. A junior with some knowledge of measurements would be considered for training. Permanent and pensionable position offered to suitable applicant.—Write F. BRADFORD & Co., Ltd., Angel-road, Edmonton, N.18.

ASSISTANT Required. Surveyor's Department of A Property Company's London office. Good draughtsman. Inter R.I.C.S. standard (Building). Salary £550 to £750 according to qualifications.—Box 539, "The Builder."

ASSISTANT SURVEYOR for Building Contractor's Small Works Department, experienced in Taking-off from Drawings and Specifications and Site Measuring.—Apply in writing, stating age, experience and salary required to GRACE & MARSH, Ltd., New Bridge Works, Waddon, Croydon.

EXPERIENCED QUANTITY SURVEYOR'S ASSISTANT Required by well-known firm of Chartered Quantity Surveyors in Bloomsbury. Salary £1,000 to £1,250 per annum according to age and experience. L.V.s; 5-day week; overtime paid, and Pension Scheme.—Box 568, "The Builder."

BUILDING SURVEYOR ASSISTANT Required for Building section of General Surveying Practice. Varied duties include new works, repairs, alterations, building surveys, dilapidations, etc. Final R.I.C.S. Standard (Building Sub-Section).—Apply in writing to STANLEY HICKS & SON, Chartered Surveyors, College Hill Chambers, 23 College-hill, London, E.C.4, stating details of experience and salary required. Holiday arrangements for 1959 honoured.

ASSISTANT, Intermediate Standard, Required in Chartered Quantity Surveyors' Office. Opportunity to become a first-class Taker-off. Also JUNIOR, no previous experience necessary.—Box 569, "The Builder."

WEST END FIRM of Chartered Quantity Surveyors have vacancies for ASSISTANT SURVEYORS. Will consider R.I.C.S. Intermediate examination level or Qualified, not subject to call up. Good prospects and salaries. Five-day week.—Apply Box 616, "The Builder."

ASSISTANT SURVEYOR Required for Taking-off quantities, ordering materials and progressing schedules.—Apply in writing, RICHARDSON, Herbert House, Slade Green, Erith, Kent.

ASSISTANT SURVEYORS.—FORD & WALTON, Ltd. have vacancies for young men of initiative and character who have surveying experience.—Applications stating age and previous experience should be addressed to Personnel Manager, FORD & WALTON, Ltd., Walton House, Warton-road, E.15.

SURVEYOR (Assistant)

aged 20-23 years required in Quantity Surveyor's Department. Progressive position with good salary and bonus. Write stating age, experience and salary required to:—

ROBERT MARRIOTT LTD.,
Midland Works, Rushden, Northants.

JUNIOR SURVEYOR Required as Assistant to Managing Director for Building and Development Company. The job provides an opportunity to widen one's experience over an extensive field, including an opportunity of advancement and permanency. Apply in writing stating present age, experience, salary required and when available. — REXFORD (BUILDERS), Ltd., Vulcan-road, Solihull, Warwickshire.

BUILDER'S TAKER-OFF/DRAUGHTSMAN Required by old-established East London Company. Good salary. Profit sharing and pension schemes.—Box 604, "The Builder."

TAKER-OFF Required by Chartered Quantity Surveyors near Victoria Station. Salary £900 p.a. or according to experience. Luncheon vouchers. Pension scheme. Five-day week.—Box 570, "The Builder."

EXPERIENCED T.O. Required by London firm of Chartered Q.S. Salary £1,100 or according to experience. Pension scheme. Luncheon vouchers. Holiday this year.—Box 571, "The Builder."

THE HELICAL BAR & ENGINEERING COMPANY LTD., 82 Victoria-street, S.W.1, Require the following staff for their London office.—TAKER-OFF to prepare Bills of Quantities for reinforced concrete work. ESTIMATOR for R.C. Structures, Hollow Tile floors, etc. Five-day week. Pension scheme. Luncheon vouchers given.—Apply in writing giving brief details of experience and salary required.

COMPETENT TAKER-OFF Required in London Chartered Quantity Surveyors' office. Apply stating age, experience, qualifications and salary required to Box 957, "The Builder."

EXPERIENCED TAKER-OFF Required by Westminster Quantity Surveyors for responsible post. Excellent prospects. Lunch vouchers.—Write stating age, experience and salary required, to Box 991, "The Builder."

TAKER-OFF, preferably qualified, Required by F. S. SNOW & PARTNERS. 5-day week, luncheon vouchers, superannuation.—Apply in writing to 87 Charing Cross-road, London, W.C.2, stating age, experience, qualifications and salary required.

EXPERIENCED TAKER-OFF Required by old established firm of Chartered Quantity Surveyors at Oxford.—Please write stating age, experience and salary required. Box 540, "The Builder."

JUNIOR TAKER-OFF Required by Chartered Quantity Surveyors in the City; five-day week and pension scheme.—State age, experience and salary required to Box 572, "The Builder."

TAKER-OFF, approaching Final R.I.C.S. standard, Required for London Office.—Write stating age, experience and salary required to C. T. R. KELLY AND PARTNERS, F./F.R.I.C.S., 8 Manchester-square, W.1.

TAKERS-OFF Required in London by A. S. WILSON AND PARTNERS, 8 Storeys-gate, S.W.1.

TAKER-OFF/MEASURING SURVEYOR Required in Branch Office at Preston, Lancs.—Apply A. S. WILSON AND PARTNERS, 8 Storeys-gate, S.W.1.

HIGH SALARIES and scope for advancement are offered to three ASSISTANT TAKERS-OFF. Technical ability, speed, initiative and adaptability are essential qualities. All applications treated in confidence.—Replies, giving details of age and experience, to Box 573, "The Builder."

EXPERIENCED TAKERS-OFF and MEASURING SURVEYORS Required for large site contract in South Wales.—Write, stating age, experience and salary required to Box 574, "The Builder."

TAKER-OFF with at least three years' taking-off experience Required by small expanding firm of West End Chartered Quantity Surveyors.—Reply stating age, experience and salary required to Box 617, "The Builder."

TAKER-OFF Required for Quantity Surveyor's office, Kings Cross Area, intermediate/final standard. Good prospects for experience and advancement in an expanding office.—Write stating age, experience and salary required to Box 608, "The Builder."

EXPERIENCED TAKER-OFF/MEASURING SURVEYOR Required in North of England for a large Site Contract. Good salary for suitable man.—Please reply, stating age and experience to Box 645, "The Builder."

TAKER-OFF Required, R.I.C.S. Intermediate standard, in Reading Sub-Office of Chartered Quantity Surveyors, £800 p.a.—Box 646, "The Builder."

LONDON Chartered Quantity Surveyors Require for permanent staff (a) TAKER-OFF; (b) MEASURING SURVEYOR, for Final Accounts.—Write stating age, experience and salary required to Box 993, "The Builder."

WORKER-UP Required in Quantity Surveying section of West End architects' office.—Reply to Box 599, "The Builder," giving details of age, experience and salary required.

EXPERIENCED WORKER-UP Required by Westminster firm of Quantity Surveyors. Five-day week and luncheon vouchers. Good prospects and opportunities.—Write stating experience and salary required. Box 975, "The Builder."

CAPABLE WORKER-UP Required in London Chartered Quantity Surveyors' office. Appointment with prospects of advancement according to capability. Apply in writing stating age, office and examination experience and salary required to Box 956, "The Builder."

WORKER-UP, with three to five years' professional experience. Required by F. S. SNOW & PARTNERS. 5-day week, luncheon vouchers, superannuation.—Apply in writing to 87 Charing Cross-road, London, W.C.2, stating age, experience, qualifications and salary required.

WORKER-UP Required by medium-size progressive West End Chartered Quantity Surveyors engaged on U.K. and West Indies contracts. Prospects of advancement according to capability.—Write giving experience, and salary required, to Box 986, "The Builder."

WORKER-UP Required for London office, including measuring on site; 5-day week.—Please write stating age, experience and salary required, Box 575, "The Builder."

JUNIOR WORKERS-UP, desiring increased salaries and good promotional prospects, should write, in confidence, giving full particulars of age and experience to Box 576, "The Builder."

WORKER-UP Required for expanding Quantity Surveyor's Office, Kings Cross. Experienced man preferred, to take senior position.—Write stating age, experience and salary required to Box 607, "The Builder."

CLERK OF WORKS Required in the Cambridge area for the site supervision of new industrial projects. Must be experienced in reinforced concrete work. Duration 12 months in the first instance.—Apply in writing stating age, experience, qualifications and salary expected to the Personnel Officer, PYE, Ltd., St. Andrew's-road, Cambridge.

CLERK OF WORKS Required for Laboratory project near Manchester. Commencing July, 1959, duration approximately 15 months. Previous experience of laboratory work essential. Salary by arrangement. Interviews London or Manchester.—Write Box 577, "The Builder."

CLERK OF WORKS Required for a large contract (£400,000) starting June, 1959, in Harlington, Middlesex. Write stating age, experience, when available.—Box 634, "The Builder."

ESTIMATOR/SURVEYOR Required. Experienced in tendering for all types of contracts.—Apply with full particulars to Area Manager, HENRY BOOT & SONS (BUILDING), Ltd., James-road, Camberley, Surrey.

SENIOR ESTIMATOR

required, used to competitive pricing in the London area. Permanent appointment with contributory pension scheme. Write in confidence giving full details of age, experience, and salary required to :—

Personnel Manager,
Holland & Hannen and Cubitts (Great Britain) Ltd.,
1, Queen Anne's Gate, London, S.W.1.

AN immediate opportunity exists for an experienced ESTIMATOR to join the Civil Engineering Staff of the Pointer Group at their Head Office. Successful applicant will be invited to join the contributory Pension Fund, after serving probationary period.—Apply giving full details of age, experience and salary required, to HARRY POINTER (NORWICH), Ltd., 5 Guardian-road, Norwich.

REQUIRED by old-established firm of Sanitary Engineers an ESTIMATOR/COSTS CLERK for Plumbing Contracting Dept. Experienced man only but this may be an opportunity for professional man who desires to enter commerce. Age under 35 years.—Write giving experience, salary required, etc., to Box 533, "The Builder."

ESTIMATOR.—Experienced ESTIMATOR Required for building contracts of £50,000-£200,000 range in Central London area.—Write, giving experience, age and salary required to The Secretary, GRIGGS & SON, Ltd., 56 Victoria-street, London, S.W.1.

ASSISTANT ESTIMATOR Required by well known firm of Building Contractors for attachment to their headquarters staff in London. Candidates (preferably between 28 and 34) should have a thorough knowledge of construction and quantities and some knowledge of building up prices. Excellent opportunity for one desirous of specialising in this particular branch of the trade.—Please write giving particulars of age, experience and some indication of the salary required to Box 578, "The Builder."

ESTIMATOR Required by old established Building Contractors for the Liverpool-Manchester area. Applications (which will be regarded as confidential) should furnish particulars of age, experience and salary required.—Box 579, "The Builder."

ESTIMATOR/SURVEYOR Required with experience in pricing Bills of Quantities, preparing Valuations for Interim Certificates and Final Accounts. Permanent position with good prospects.—Write full particulars (stating age and salary required) or 'phone for appointment, L. & W. WHITEHEAD, Ltd., 169 Clapham-road, S.W.9. Telephone: RELiance 3331.

HOLLAND & HANNEN AND CUBITTS (GREAT BRITAIN) LTD.,

Require a competent **ESTIMATOR** for their **JOINERY WORKS.** The position is permanent, with staff bonus and pension schemes. Applications stating age, past experience, and salary required should be sent in strict confidence to the Joinery Manager, 258 Grays Inn-road, London, W.C.1.

COMPACTOM LTD.
OXGATE LANE, CRICKLEWOOD, N.W.2.

This expanding organisation offers permanent appointments with good prospects for the following

ESTIMATOR/CONTRACT CONTROLLER.
Joinery estimating knowledge essential.

DRAUGHTSMEN.
Joinery or shopfitting experience an advantage.
Able to read scale drawings.

Staff Pension Scheme. Canteen.
Existing holiday arrangements honoured.
Write stating experience, age and salary required or 'phone GLA 6633.
Ask for Mr. Bond (Estimator) or Mr. Pyne (Draughtsmen).

EXPERIENCED ESTIMATOR Required by old-established building company in East London. Good salary. Profit sharing scheme and staff pension scheme.—Box 541, "The Builder."

SUPERVISOR/ESTIMATOR Required by leading Building and Civil Engineering Contractors, able to deal with small jobbing and maintenance work in Central London from enquiry to final account.—Applicants are invited to send full details to Box 580, "The Builder."

JOINERY ESTIMATOR. An experienced Joinery Estimator Required to handle building and housing estimating work.—Write full particulars to RUTHERFORD, GEAKE & Co., Ltd., Hanworth Trading Estate, Feltham, Middlesex.

ESTIMATOR/SURVEYOR Required, experienced in small works and medium-sized contracts.—Full details of experience, age, etc., to C. JENNER & SON, Ltd., 11 North-street, Ashford, Kent.

BUILDER'S ESTIMATOR Required by COOKE BROS., Ltd., Newbury; fully experienced in preparing competitive estimates, bonus targets and final accounts for all types of general building work up to £50,000 and Taking-off quantities for smaller work.—Reply stating age, experience and salary required.

JOHN LAING AND SON LIMITED

have vacancies in their

ESTIMATING DEPARTMENT

at Head Office for

ASSISTANTS

The duties will entail issuing enquiries for Materials and Sub-Contractors' Quotations. Applicants should be between 25 and 35 years of age and be familiar with, and able to interpret, Bill of Quantities and Contract Conditions. Previous experience in ordering an advantage. 5 day week. Canteen and Sports Club facilities. Apply in writing stating age, qualifications and experience to **Personnel Manager (E.D.3.), John Laing and Son Limited, London, N.W.7.**

EXPERIENCED ESTIMATOR Required for building contractors. Applicant must be capable of estimating for contracts up to £500,000. Permanent position offered, with accommodation if required.—Reply, stating age, experience and salary expected, to A. J. DUNNING & SONS (WEYHILL), Ltd., Weyhill, Andover, Hants.

CENTRAL London Builders Require young man just leaving school for Estimating Department.—Box 647, "The Builder."

ASSISTANT ESTIMATOR/SURVEYOR Required by an organisation dealing with a large number of high-class flats in the Greater London area. The post is pensionable and offers scope to a young man with initiative. Car driver essential. Please send full details of experience and salary required, to Box 648, "The Builder."

ESTIMATOR AND SURVEYOR Required to work as Assistant to Chief Estimator and Surveyor of medium-sized building and civil engineering company. Capable of taking complete charge of jobbing work. Accuracy and willingness to work hard more important than experience. S.E. England.—Box 649, "The Builder."

ASSISTANT ESTIMATOR AND SURVEYOR Required by Central London Builders for alterations and new works, and able to take-off own quantities where necessary. Please reply giving details of experience and salary required.—Box 650, "The Builder."

ESTIMATOR/SURVEYOR Required for large Building and Civil Engineering Company.—Apply in writing, giving full particulars to Box 679, "The Builder."

CONTRACTS MANAGER Required for flat and housing estates, borders of Berkshire, Middlesex and Surrey. Permanent position. Write stating age, salary and experience.—Box 977, "The Builder."

SITE MANAGER

required General Foreman type preferred. Experienced in house and Estate development. Must have plenty of drive and good organizing ability. Salary with bonus in the £2,000 region. House available if required. Write giving experience and full date of birth to

Box No. 623 "The Builder"

As a result of a rapidly expanded business the following staff are required:—

CONTRACTS MANAGER—Able to supervise planning, specifications, etc. Salary from £1,000 per annum.

ESTIMATOR—Fully conversant with all branches of the shopfitting trade. Salary from £850 per annum.

SUPERVISOR—Able to carry contracts through to final stage. Salary from £850 per annum.

Write in first instance to:—

City Industrial Limited, Shopfitters, Farringdon Station Chambers, E.C.1.

MANAGER for Bucks Builder's Small Works Department, capable of carrying out best class work up to value of £6,000. Must have good knowledge of all trades, preference given to L.I.O.B. superannuation scheme.—Box 523, "The Builder."

MANAGER Required for South Yorkshire Branch of Mastic Asphalt and Felt Roofing Contractors. Technical knowledge of trade and administrative ability essential. Excellent opportunity for energetic man.—Apply Box 600, "The Builder."

BUILDERS MERCHANTS

in London Area require

MANAGER FOR ESTIMATING DEPARTMENT

dealing with Sanitary Ware and C.I. Goods. Previous experience essential. Details to

Box 651 "The Builder"

SHOP Fitting Department of old established Builders Require MANAGER. Must be experienced man, capable of handling contracts for alterations and extensions to Shops, Stores, etc.—Apply, stating age, qualifications and salary required, to A. J. DUNNING & SONS (WEYHILL), Ltd., Weyhill, Andover, Hants.

CONTRACTS MANAGER Required for Estate Developers. A first-class opportunity for a man who can chase foremen to get work completed on schedule. Worth £1,750 per annum.—Write giving full details of experience and age to Box 622, "The Builder."

AREA MANAGERS
South of England

Progressive firm of Contractors have two newly created posts to offer keen experienced men, between the age 30-50.

There are definite prospects for further advancement, bonus is paid on results, and participation in our Pension Scheme. Accommodation available in one area after satisfactory trial period.

Applicants must possess knowledge of modern building methods, be experienced in modern management techniques including planning, cost control, work study, etc.

Reply fully stating experience, age, and salary required to

Box No. 662, "The Builder"

THE CUBITT GROUP

HOLLAND & HANNEN AND CUBITTS (GREAT BRITAIN) LTD.

invite applications from suitably qualified persons
for employment in the

MANAGEMENT AND CONTROL OF LARGE BUILDING CONTRACTS

The work involves the application of modern management techniques including planning, cost control and the maintenance of high quality standards. The appointment offers splendid opportunities for advancement and can be considered permanent and is pensionable.

To ensure the strictest confidence, will applicants please reply to the

Director in charge of Main Building Department at 1 Queen Anne's Gate, London, S.W.1

PAINTING MANAGER

required by large Midland building company to take charge of live painting and decorating department. Generous salary, car and superannuation to successful applicant. In strict confidence give brief particulars of experience and present salary to : Joint Managing Director,

C. Bryant & Son Ltd.,
65, Whitmore Road,
Birmingham, 10.

WELL-ESTABLISHED Company in asphalte subcontracting for building industry. Requires ACTIVE SALES MANAGER to control sales, advertising and existing team of representatives. —Applicants should apply stating age, experience and salary required to Box 618, "The Builder."

MANAGER Required for medium-size Joinery Manufacturer, South-West England. Able to estimate for works up to £10,000 and generally organise Joinery Department. Superannuation scheme, etc.—Write full particulars Box 619, "The Builder."

MAINTENANCE MANAGER/SURVEYOR/DRAUGHTSMAN Required for responsible position covering repairs, minor alterations, high-class decoration and supervision of cleaning contracts covering factories and stores principally London area. Appointment can be permanent and pensionable at a salary of £1,000-£1,200 a year with increments on proving worth. Age 35-40. Would best suit qualified Building Surveyor who has progressed to plenty of administrative experience. Write giving full particulars of previous experience to Box 652, "The Builder."

Tower Cranes

George Cohen Sons & Company Ltd.

require for their Tower Cranes Department an

OUTSIDE SALESMAN

He must be fully experienced in the teachnical details and applications of Tower Cranes for the building industry. First class prospects. Pension Scheme after probationary period. Applications in writing to :

Personnel Manager,
600, Wood Lane, London, W.12.

BUYER Required for large Devon Building Contractors. Must be surveyor trained with ability to accurately take-off, be a keen negotiator in respect of Contracts up to £500,000. A permanent and progressive position is available for person with drive and proven ability.—Full details, in confidence, of education, past experience and salary required, to Box 524, "The Builder."

FENCING contractors Require BUYER for Taking-off and ordering materials, etc. Previous fencing experience an advantage.—Apply in writing to VARDALE FENCING CO., Ltd., 68-76 Varcoe-road, S.E.16.

CONTRACTS DEPARTMENT of old-established Flooring Company Require SPECIALIST FLOOR COVERING REPRESENTATIVE. Must be fully conversant with all forms of modern Floor Coverings, Linoleums, P.V.C., Cork and Rubber Floorings. Established connection an advantage.—Write in confidence stating experience, salary required, to Box 581, "The Builder."

THE IBSTOCK BRICK & TILE COMPANY Requires one or two SALES REPRESENTATIVES, preferably between the ages of 25 and 30, for various parts of the country (not London area). —Write in the first instance with full particulars to Sales Director, IBSTOCK BRICK & TILE Co., Ltd., Ibstock, Nr. Leicester.

J. L. Green & Vardy Ltd.
have a vacancy for an

EXPERIENCED SALESMAN

with connection amongst Architects and other users of high quality architectural joinery, panelling, partitioning, Office and special Contract furniture. Apply with full details of age, experience, salary, etc., to Director: Green & Vardy Ltd., 79 Essex Road, N.1.

BUYER'S ASSISTANT (Male—under 20) Required by Building Contractor. Salary according to experience. Bonus. Canteen.—BOVIS, 1 Stanhope-gate, W.1. GRosvenor 8830.

WANTED : REPRESENTATIVE for correspondence abroad ; high earnings. Instructions in writing.—Write : FORTUNA PUBLISHING Co., Vienna 1/8, Postfach 49.

BUYER, EXPERIENCED ASSISTANT for Buying Department to deal with Home and Overseas Contracts. Age 25/40. Progressive appointment with Pension Scheme and other attractive conditions.—BERNARD SUNLEY & SONS (P.D.), 25 Berkeley-square, W.1.

ASSISTANT BUYER Required for Builders and Estate Developers. Must be accurate with figures and wide knowledge of all Building Materials. Man aged 25 to 30 with previous experience an advantage.—Write in confidence stating experience, General Manager, LAWDON PARTNERS, Ltd., 157 Victoria-street, S.W.1.

YOUNG man Required to assist Buyer, some experience or knowledge of the trade desirable.—Apply HALSE & SONS, Ltd., Builders, 5 Chapel-hill, Woolwich, S.E.18, stating age and salary required.

CASHIER-TIMEKEEPER, also TIMEKEEPER-SITECLERKS, age 28-45. Experienced applicants for both London and Provinces offered good salaries, Pension Scheme and other attractive conditions.—BERNARD SUNLEY & SONS (P.D.), 25 Berkeley-square, W.1.

ACCOUNTS CLERK, Male, age 20-28, for Building Contractors' Head Office. Experience book-keeping, costing, essential ; knowledge Building Industry desirable. Pension Scheme and other attractive conditions.—BERNARD SUNLEY & SONS (P.D.), 25 Berkeley-square, W.1.

BUILDER'S CLERK for prime cost contracts and assist generally in surveyor's dept. of busy N.W. London contractor's office. Opportunity to gain experience working with surveyors and possibly with training, take over the duties of Assistant Surveyor. Pension scheme in operation and holiday this year.—Write giving full details of experience and salary required to Box 582, "The Builder."

COST CLERK, capable and experienced, Required. Permanent and progressive post with pension scheme and 5-day week.—Write details experience, age and salary required.—Secretary, DIESPEKER & CO., Ltd., Clifton House, Euston-road, N.W.1.

BUILDERS' CLERK to send out enquiries to Sub-Contractors and Suppliers for estimating, and assist in Cost and Order Departments. Accommodation may be available.—Reply stating age, experience and salary required, The Secretary, C. MISKIN & SONS, Ltd., Romeland House, St. Albans.

JOHN BOLDING & SONS, Ltd., Require a SENIOR CLERK having experience of sanitary fittings for the Contracts Department at their Head Office, Grosvenor Works, Davies-street, W.1. Excellent working conditions and prospects. Canteen. Pension scheme, etc.—Apply to the Secretary (MAYfair 6617).

CLERK Required for general office duties.—Particulars and salary Required to HOLBROOK (BUILDERS), Ltd., 40 Aldersgate-street, E.C.1.

GOSLETT'S of Charing Cross-road have a vacancy in their order department, light side, for a CLERK in good trade knowledge for pricing and general correspondence. Progressive position. Write stating age, experience and salary required.—A. GOSLETT AND CO., Ltd., 127-131 Charing Cross-road, W.C.2.

BUILDING Contractors Require experienced ACCOUNTS AND VARIATIONS CLERK. Able to prepare final accounts for alteration and conversion works. Permanent progressive position at high salary.—BELL & ASSOCIATES, Ltd., 58 Kensal-road, W.10.

ASSISTANT SECRETARY/ACCOUNTANT Required by large private company of Building and Civil Engineering Contractors in S. Midlands. Administrative and full accountancy experience essential. Exceptional opportunity for a man about thirty willing to accept responsibility and with present or future C.I.S. qualification having ambition to attain possible future executive position. Personal details of education and career in confidence to Box 653, "The Builder."

BUILDER'S CLERK with knowledge of estimating, quantities and builders' accounts required for Chief Architects' Department of large multiple retail company with offices in London. Five-day week, dining room, and pension scheme. Applicants should state age, experience and salary required.—Box 654, "The Builder."

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COST CLERK, experienced, medium builders, Charing Cross. P.A.Y.E., costing and general routine. Non-contributory pension scheme. Must be live wire and have co-operative outlook.—Write in confidence, stating experience, age and salary required. Box 681, "The Builder."

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Well-known medium-sized Building Contractors. Head Office West of London.

Position is of importance, and successful applicant will be responsible only to Directors. First-class knowledge of Building Construction, planning of Contracts and Site Experience.

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Good prospects for ambitious, keen and hard-working man not over 40 years of age, able to meet Architects and negotiate Sub-Contracts.

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ASSISTANT Required to Director of Building concern specialising in Decorating and Small Building Contracts in Sutton and Epsom districts. Excellent opportunity for man with initiative, sound knowledge of the Trade and some estimating experience.—Write full details Box 601, "The Builder."

GENERAL ASSISTANT Required (25 to 35 years) to Managing Director of medium-sized old-established business. Applicant must have good technical knowledge of all sides of the business and be capable of supervision of contracts, quantities up to final accounts. Applicant with the necessary qualifications, drive and initiative could attain high executive position. Small house available.—Apply stating age and whether married and forward details of education, technical qualifications and state salary required, to GEO. F. KIRK, Ltd., Manor Works, Manor-road, Chesterfield.

YOUNG MAN Required in London office of Roofing Contractors checking and later preparing estimates and final accounts, extracting quantities, etc. Must be good at figures and willing to become versed in all aspects of Roofing contract business.—Box 620, "The Builder."

JUNIOR ASSISTANT, aged 20-25, Required in Maintenance Department of large commercial undertaking. General building experience, good draughtsman and tracer, and capable of keeping drawing office records and information, etc. Interesting work in ideal office conditions with canteen and other facilities. Five-day week. S.W.1 area.—Apply stating education, experience and salary required to Box 583, "The Builder."

YOUNG tradesman with some technical training as surveyor, Required to assist with modern methods of planning and cost control of building contracts.—Please write stating age, experience and salary required to STONE & CO. (BRISTOL), Ltd., Redland-road, Bristol 6.

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AGENTS

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Applicants for these posts should submit complete details of early training, subsequent experience and past Employers, together with list of major Contracts undertaken.

No Applicant will be considered unless he can substantiate his ability to undertake Contracts of considerable magnitude.

These positions carry a minimum salary of £2,000 per annum, plus a share of the profit made on each Contract.

After a satisfactory trial period the posts will become permanent, and will be subject to Superannuation.

Where it is considered necessary, a car will be supplied by the Company and, on the Provincial Contracts, a house will be provided, if required.

Unless Applicants are called for interview within twenty-one days of the insertion of this advertisement, they may consider their application unsuccessful.

Applications must be marked for the attention of the Personnel Director, and forwarded to

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AGENT/GENERAL FOREMAN Required by established Building Contractors on the south coast. Excellent prospects are offered to an energetic and experienced man who will be required to work on contracts in the Brighton area.—Apply in writing to Box 584, "The Builder."

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Positions are available in expanding Building and Civil Engineering Contractors Organization in South West London. Operating area involving 10/20 contracts requiring supervision of Foremen, co-ordination of Sub-Contractors, Plant, programming and close liaison with Directors and Head Office Administration.

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ASSISTANT RESIDENT QUANTITY SURVEYOR Required in Middle East. Bachelor preferred. Salary and allowances £1,300-£1,600 per annum, according to capabilities and experience. Free accommodation.—Reply, stating age and experience, to Box 974, "The Builder."

TAYLOR WOODROW SERVICES Ltd., Require SENIOR and ASSISTANT QUANTITY SURVEYORS. Applicants should be prepared to work for the Taylor Woodrow Group overseas, after serving an initial period in U.K.—Please write in detail to Personnel Manager, Western House, Western Avenue, London, W.5, or 'phone: PERivale 6641.

MELBOURNE/SYDNEY, AUSTRALIA. The following vacancies occur in progressive Quantity Surveying Office. Commencing salaries stated are exclusive of overtime and bonuses. Fares to Australia paid. 3-year or shorter contract with annual salary increases. Continuation contract probable if desired. SENIOR TAKER-OFF, £A1,800. SENIOR WORKER-UP, £A1,400.—Box 590, "The Builder."

Melbourne and Sydney, Australia.

Vacancies occur in Quantity Surveyors' office for experienced

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High salaries. Long or short contracts. Fares paid to Australia.

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CLERK OF WORKS (bachelor) Required shortly to supervise erection of housing in Aden. About ten months' contract.—Write, stating age and experience, to Box 592, "The Builder."

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Write stating age and experience and quoting reference W.44 to the
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CLERK OF WORKS

required

by large Oil Company for service in Middle East. Should be trained as carpenter or bricklayer and have had extensive experience as Tradesman, with three or more years' subsequent experience as a General Foreman or Clerk of Works. Must be able to prepare simple Bills of Quantities and measure finished work. Possession of a recognised Certificate in Building would be an advantage. Service is pensionable on three year contracts with annual home leave. Fully furnished accommodation at reasonable rental, bachelors preferred owing to shortage of married quarters. Total emoluments not less than £1,550 per annum. Applicants under 35 should reply with brief details of experience to

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c/o Charles Barker & Sons Ltd.,
Gateway House, London, E.C.4.

ESTIMATOR-SURVEYOR Required with rapidly expanding organisation in West Africa, to act as CONTRACTS MANAGER after trial period of three months. Tours of eighteen to twenty-one months. Wife and family's passages paid once per tour. Salary £1,500 to £1,800. European House provided with all furnishings. Age between 30 and 50 years. Capable man for costing blocks of flats and houses; good mixer able to negotiate work with local authorities and companies. Ample opportunity in an established concern for an experienced man.—Send full details to MESSRS. JIDEOFO & SONS LIMITED, P.O. Box 278, Kano, Northern Nigeria.

TECHNICAL SALES. Applicants for a Managerial appointment in this Department in Lagos must have a sound commercial experience of building and allied trades, and a knowledge of modern storekeeping technique. Some experience of electrical and mechanical equipment is desirable. The appointment would be responsible for the control of stocks, including all matters relative to the receipt, issue, despatch and delivery of technical products; he would also be concerned with counter sales to passing trade. The post carries an initial salary of £1,320 per annum. Applicants should be not more than 35 years of age. This appointment is pensionable, free housing in Africa is provided, and home leave after 18 months' tours. Applications stating age, experience and qualifications should be addressed to the Staff Director, JOHN HOLT OVERSEAS LIMITED, 250 India-buildings, Liverpool 2.

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Minimum 7s. 6d. (24 words)
Each additional 6 words 1s. 6d. Box number, including Forwarding Replies, 1s. 6d.

CHARTERED Quantity Surveyors, with London office, offer their services to the profession for preparation of Bills of Quantities, Interim Valuations and Final Accounts.—Box 941, "The Builder."

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SURVEYOR, 35, experienced in both Professional and Contractors' offices, seeks change. Fully experienced on valuations and final accounts up to £1,000,000. Car owner. London area preferred.—Please write Box 640, "The Builder."

YOUNG MAN, 24, H.N.C., studying L.I.O.B., seeks permanent post as SURVEYOR/DRAUGHTSMAN with prospects of promotion. Six years' d.o. experience. Car driver. Prefer Middx/Herts/Bucks borders but consider London.—Box 671, "The Builder."

SENIOR SURVEYOR (33) Requires executive position in London or Home Counties. Professionally trained and fully qualified; at present employed by Building Contractors. Experienced in estimating and quantity surveying and all surveying duties from inquiry to final accounts.—Box 689, "The Builder."

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CONTRACTS MANAGER/SUPERVISOR seeks post; sound practical and technical knowledge; 15 years' executive position. Keen and cost conscious. Southern Counties preferred.—Box 529, "The Builder."

BUILDER'S MANAGER or similar position, 28 years' experience, inquiry to final account, all types of contracting; Housing Estate development; good organiser; contacts with architects. Introduce new business, take full control if required. Keen estimator. Own car.—Box 674, "The Builder."

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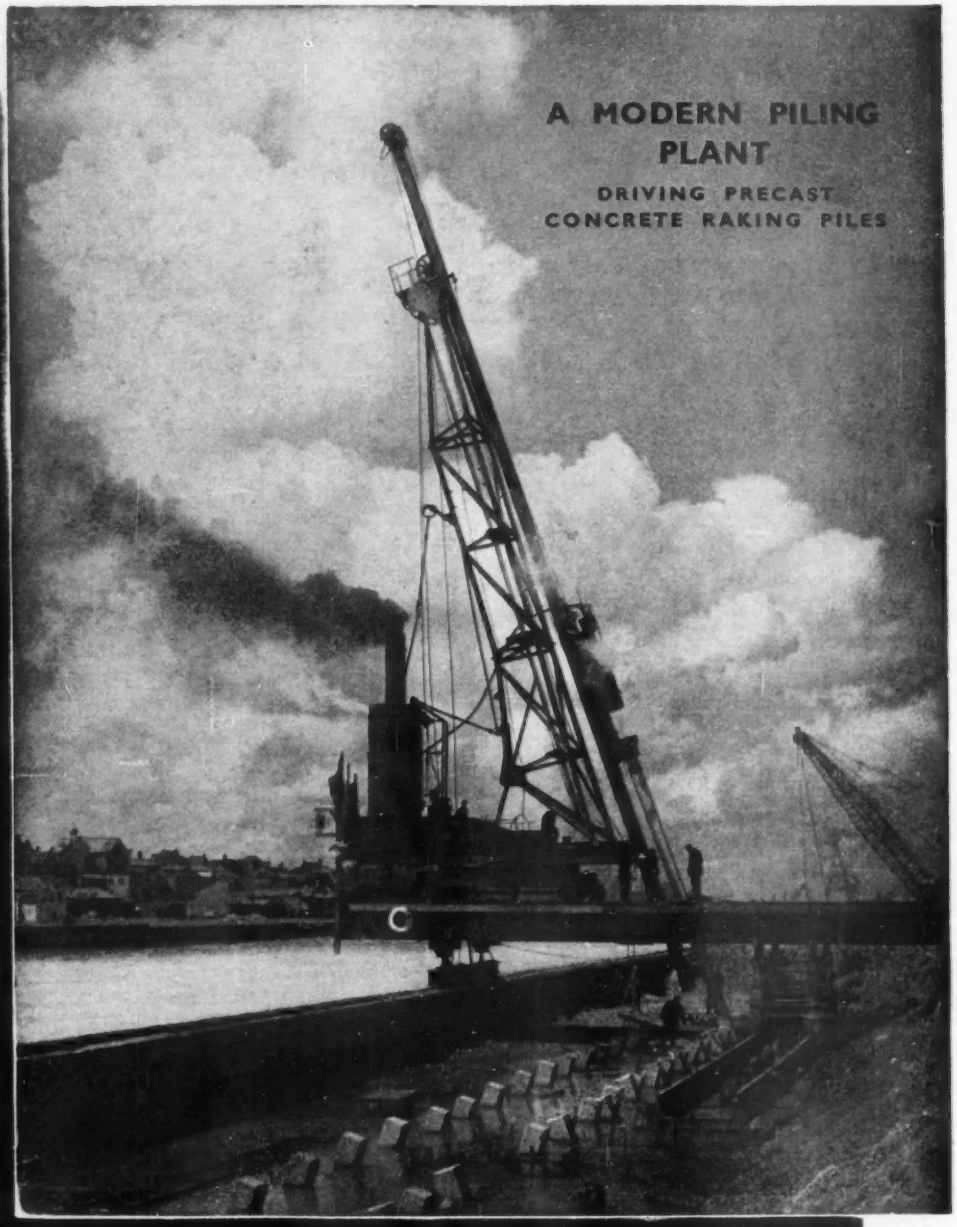

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